



SEQUENCE LISTING

<110> Human Genome Sciences, Inc.

<120> Albumin Fusion Proteins

<130> PF546

<140> 09/833,245

<141> 2001-04-12

<160> 2279

<170> PatentIn Ver. 2.1

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<223> primer useful to clone human growth hormone cDNA

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<223> primer useful to clone human growth hormone cDNA

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with non-cohesive ends.

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with non-cohesive ends.

<400> 4
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with non-cohesive ends.

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1 5 10 15

Ile Ser Ala Asp Ala His Lys Ser
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<400> 16
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 gaa aat ttc aaa gcc ttg gtg ttg att gcc ttt gct cag tat ctt cag 96
 Glu Asn Phe Lys Ala Leu Val Leu Ile Ala Phe Ala Gln Tyr Leu Gln
 20 25 30
 cag tgt cca ttt gaa gat cat gta aaa tta gtg aat gaa gta act gaa 144
 Gln Cys Pro Phe Glu Asp His Val Lys Leu Val Asn Glu Val Thr Glu
 35 40 45
 ttt gca aaa aca tgt gtt gct gat gag tca gct gaa aat tgt gac aaa 192
 Phe Ala Lys Thr Cys Val Ala Asp Glu Ser Ala Glu Asn Cys Asp Lys
 50 55 60
 tca ctt cat acc ctt ttt gga gac aaa tta tgc aca gtt gca act ctt 240
 Ser Leu His Thr Leu Phe Gly Asp Lys Leu Cys Thr Val Ala Thr Leu
 65 70 75 80
 cgt gaa acc tat ggt gaa atg gct gac tgc tgt gca aaa caa gaa cct 288
 Arg Glu Thr Tyr Gly Glu Met Ala Asp Cys Cys Ala Lys Gln Glu Pro
 85 90 95

gag aga aat gaa tgc ttc ttg caa cac aaa gat gac aac cca aac ctc	336
Glu Arg Asn Glu Cys Phe Leu Gln His Lys Asp Asp Asn Pro Asn Leu	
100 105 110	
ccc cga ttg gtg aga cca gag gtt gat gtg atg tgc act gct ttt cat	384
Pro Arg Leu Val Arg Pro Glu Val Asp Val Met Cys Thr Ala Phe His	
115 120 125	
gac aat gaa gag aca ttt ttg aaa aaa tac tta tat gaa att gcc aga	432
Asp Asn Glu Glu Thr Phe Leu Lys Lys Tyr Leu Tyr Glu Ile Ala Arg	
130 135 140	
aga cat cct tac ttt tat gcc ccg gaa ctc ctt ttc ttt gct aaa agg	480
Arg His Pro Tyr Phe Tyr Ala Pro Glu Leu Leu Phe Phe Ala Lys Arg	
145 150 155 160	
tat aaa gct gct ttt aca gaa tgt tgc caa gct gct gat aaa gct gcc	528
Tyr Lys Ala Ala Phe Thr Glu Cys Cys Gln Ala Ala Asp Lys Ala Ala	
165 170 175	
tgc ctg ttg cca aag ctc gat gaa ctt cgg gat gaa ggg aag gct tcg	576
Cys Leu Leu Pro Lys Leu Asp Glu Leu Arg Asp Glu Gly Lys Ala Ser	
180 185 190	
tct gcc aaa cag aga ctc aaa tgt gcc agt ctc caa aaa ttt gga gaa	624
Ser Ala Lys Gln Arg Leu Lys Cys Ala Ser Leu Gln Lys Phe Gly Glu	
195 200 205	
aga gct ttc aaa gca tgg gca gtg gct cgc ctg agc cag aga ttt ccc	672
Arg Ala Phe Lys Ala Trp Ala Val Ala Arg Leu Ser Gln Arg Phe Pro	
210 215 220	
aaa gct gag ttt gca gaa gtt tcc aag tta gtg aca gat ctt acc aaa	720
Lys Ala Glu Phe Ala Glu Val Ser Lys Leu Val Thr Asp Leu Thr Lys	
225 230 235 240	
gtc cac acg gaa tgc tgc cat gga gat ctg ctt gaa tgt gct gat gac	768
Val His Thr Glu Cys Cys His Gly Asp Leu Leu Glu Cys Ala Asp Asp	
245 250 255	
agg gcg gac ctt gcc aag tat atc tgt gaa aat cag gat tcg atc tcc	816
Arg Ala Asp Leu Ala Lys Tyr Ile Cys Glu Asn Gln Asp Ser Ile Ser	
260 265 270	
agt aaa ctg aag gaa tgc tgt gaa aaa cct ctg ttg gaa aaa tcc cac	864
Ser Lys Leu Lys Glu Cys Cys Glu Lys Pro Leu Leu Glu Lys Ser His	
275 280 285	
tgc att gcc gaa gtg gaa aat gat gag atg cct gct gac ttg cct tca	912
Cys Ile Ala Glu Val Glu Asn Asp Glu Met Pro Ala Asp Leu Pro Ser	
290 295 300	
tta gct gct gat ttt gtt gaa agt aag gat gtt tgc aaa aac tat gct	960
Leu Ala Ala Asp Phe Val Glu Ser Lys Asp Val Cys Lys Asn Tyr Ala	
305 310 315 320	

gag gca aag gat gtc ttc ctg ggc atg ttt ttg tat gaa tat gca aga	1008
Glu Ala Lys Asp Val Phe Leu Gly Met Phe Leu Tyr Glu Tyr Ala Arg	
325 330 335	
agg cat cct gat tac tct gtc gtg ctg ctg ctg aga ctt gcc aag aca	1056
Arg His Pro Asp Tyr Ser Val Val Leu Leu Leu Arg Leu Ala Lys Thr	
340 345 350	
tat gaa acc act cta gag aag tgc tgt gcc gct gca gat cct cat gaa	1104
Tyr Glu Thr Thr Leu Glu Lys Cys Cys Ala Ala Ala Asp Pro His Glu	
355 360 365	
tgc tat gcc aaa gtg ttc gat gaa ttt aaa cct ctt gtg gaa gag cct	1152
Cys Tyr Ala Lys Val Phe Asp Glu Phe Lys Pro Leu Val Glu Glu Pro	
370 375 380	
cag aat tta atc aaa caa aac tgt gag ctt ttt gag cag ctt gga gag	1200
Gln Asn Leu Ile Lys Gln Asn Cys Glu Leu Phe Glu Gln Leu Gly Glu	
385 390 395 400	
tac aaa ttc cag aat gcg cta tta gtt cgt tac acc aag aaa gta ccc	1248
Tyr Lys Phe Gln Asn Ala Leu Leu Val Arg Tyr Thr Lys Lys Val Pro	
405 410 415	
caa gtg tca act cca act ctt gta gag gtc tca aga aac cta gga aaa	1296
Gln Val Ser Thr Pro Thr Leu Val Glu Val Ser Arg Asn Leu Gly Lys	
420 425 430	
gtg ggc agc aaa tgt tgt aaa cat cct gaa gca aaa aga atg ccc tgt	1344
Val Gly Ser Lys Cys Cys Lys His Pro Glu Ala Lys Arg Met Pro Cys	
435 440 445	
gca gaa gac tat cta tcc gtg gtc ctg aac cag tta tgt gtg ttg cat	1392
Ala Glu Asp Tyr Leu Ser Val Val Leu Asn Gln Leu Cys Val Leu His	
450 455 460	
gag aaa acg cca gta agt gac aga gtc aca aaa tgc tgc aca gag tcc	1440
Glu Lys Thr Pro Val Ser Asp Arg Val Thr Lys Cys Cys Thr Glu Ser	
465 470 475 480	
ttg gtg aac agg cga cca tgc ttt tca gct ctg gaa gtc gat gaa aca	1488
Leu Val Asn Arg Arg Pro Cys Phe Ser Ala Leu Glu Val Asp Glu Thr	
485 490 495	
tac gtt ccc aaa gag ttt aat gct gaa aca ttc acc ttc cat gca gat	1536
Tyr Val Pro Lys Glu Phe Asn Ala Glu Thr Phe Thr Phe His Ala Asp	
500 505 510	
ata tgc aca ctt tct gag aag gag aga caa atc aag aaa caa act gca	1584
Ile Cys Thr Leu Ser Glu Lys Glu Arg Gln Ile Lys Lys Gln Thr Ala	
515 520 525	
ctt gtt gag ctt gtg aaa cac aag ccc aag gca aca aaa gag caa ctg	1632
Leu Val Glu Leu Val Lys His Lys Pro Lys Ala Thr Lys Glu Gln Leu	
530 535 540	
aaa gct gtt atg gat gat ttc gca gct ttt gta gag aag tgc tgc aag	1680

Lys Ala Val Met Asp Asp Phe Ala Ala Phe Val Glu Lys Cys Cys Lys
 545 550 555 560

gct gac gat aag gag acc tgc ttt gcc gag gag ggt aaa aaa ctt gtt 1728
 Ala Asp Asp Lys Glu Thr Cys Phe Ala Glu Glu Gly Lys Lys Leu Val
 565 570 575

gct gca agt caa gct gcc tta ggc tta taacatctac atttaaaagc atctcag 1782
 Ala Ala Ser Gln Ala Ala Leu Gly Leu
 580 585

<210> 18
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 <213> Homo Sapiens

<400> 18
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 20 25 30

Gln Cys Pro Phe Glu Asp His Val Lys Leu Val Asn Glu Val Thr Glu
 35 40 45

Phe Ala Lys Thr Cys Val Ala Asp Glu Ser Ala Glu Asn Cys Asp Lys
 50 55 60

Ser Leu His Thr Leu Phe Gly Asp Lys Leu Cys Thr Val Ala Thr Leu
 65 70 75 80

Arg Glu Thr Tyr Gly Glu Met Ala Asp Cys Cys Ala Lys Gln Glu Pro
 85 90 95

Glu Arg Asn Glu Cys Phe Leu Gln His Lys Asp Asp Asn Pro Asn Leu
 100 105 110

Pro Arg Leu Val Arg Pro Glu Val Asp Val Met Cys Thr Ala Phe His
 115 120 125

Asp Asn Glu Glu Thr Phe Leu Lys Lys Tyr Leu Tyr Glu Ile Ala Arg
 130 135 140

Arg His Pro Tyr Phe Tyr Ala Pro Glu Leu Leu Phe Phe Ala Lys Arg
 145 150 155 160

Tyr Lys Ala Ala Phe Thr Glu Cys Cys Gln Ala Ala Asp Lys Ala Ala
 165 170 175

Cys Leu Leu Pro Lys Leu Asp Glu Leu Arg Asp Glu Gly Lys Ala Ser
 180 185 190

Ser Ala Lys Gln Arg Leu Lys Cys Ala Ser Leu Gln Lys Phe Gly Glu
 195 200 205

Arg Ala Phe Lys Ala Trp Ala Val Ala Arg Leu Ser Gln Arg Phe Pro
 210 215 220
 Lys Ala Glu Phe Ala Glu Val Ser Lys Leu Val Thr Asp Leu Thr Lys
 225 230 235 240
 Val His Thr Glu Cys Cys His Gly Asp Leu Leu Glu Cys Ala Asp Asp
 245 250 255
 Arg Ala Asp Leu Ala Lys Tyr Ile Cys Glu Asn Gln Asp Ser Ile Ser
 260 265 270
 Ser Lys Leu Lys Glu Cys Cys Glu Lys Pro Leu Leu Glu Lys Ser His
 275 280 285
 Cys Ile Ala Glu Val Glu Asn Asp Glu Met Pro Ala Asp Leu Pro Ser
 290 295 300
 Leu Ala Ala Asp Phe Val Glu Ser Lys Asp Val Cys Lys Asn Tyr Ala
 305 310 315 320
 Glu Ala Lys Asp Val Phe Leu Gly Met Phe Leu Tyr Glu Tyr Ala Arg
 325 330 335
 Arg His Pro Asp Tyr Ser Val Val Leu Leu Leu Arg Leu Ala Lys Thr
 340 345 350
 Tyr Glu Thr Thr Leu Glu Lys Cys Cys Ala Ala Ala Asp Pro His Glu
 355 360 365
 Cys Tyr Ala Lys Val Phe Asp Glu Phe Lys Pro Leu Val Glu Glu Pro
 370 375 380
 Gln Asn Leu Ile Lys Gln Asn Cys Glu Leu Phe Glu Gln Leu Gly Glu
 385 390 395 400
 Tyr Lys Phe Gln Asn Ala Leu Leu Val Arg Tyr Thr Lys Lys Val Pro
 405 410 415
 Gln Val Ser Thr Pro Thr Leu Val Glu Val Ser Arg Asn Leu Gly Lys
 420 425 430
 Val Gly Ser Lys Cys Cys Lys His Pro Glu Ala Lys Arg Met Pro Cys
 435 440 445
 Ala Glu Asp Tyr Leu Ser Val Val Leu Asn Gln Leu Cys Val Leu His
 450 455 460
 Glu Lys Thr Pro Val Ser Asp Arg Val Thr Lys Cys Cys Thr Glu Ser
 465 470 475 480
 Leu Val Asn Arg Arg Pro Cys Phe Ser Ala Leu Glu Val Asp Glu Thr
 485 490 495
 Tyr Val Pro Lys Glu Phe Asn Ala Glu Thr Phe Thr Phe His Ala Asp
 500 505 510

Ile Cys Thr Leu Ser Glu Lys Glu Arg Gln Ile Lys Lys Gln Thr Ala
515 520 525

Leu Val Glu Leu Val Lys His Lys Pro Lys Ala Thr Lys Glu Gln Leu
530 535 540

Lys Ala Val Met Asp Asp Phe Ala Ala Phe Val Glu Lys Cys Cys Lys
545 550 555 560

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Ala Ala Ser Gln Ala Ala Leu Gly Leu
580 585

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site in pPPC0006

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<210> 20
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<210> 21
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<220>
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<400> 21
tacaaactta agagtccaat tagc

<210> 22
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site in pPPC0006

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<210> 24
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sites in pPPC0007

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<210> 25
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fusion protein in which the albumin moiety is N-terminal
of the Therapeutic Protein

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fusion protein in which the albumin moiety is N-terminal
of the Therapeutic Protein

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51

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protein in which the albumin moiety is c-terminal of the
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<223> reverse primer useful for generation of albumin
fusion protein in which the albumin moiety is c-terminal of
the Therapeutic Protein

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52

<210> 29

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<221> signal

<223> signal peptide of natural human serum albumin protein

<400> 29

Met Lys Trp Val Ser Phe Ile Ser Leu Leu Phe Leu Phe Ser Ser Ala

1

5

10

15

Tyr Ser Arg Ser Leu Asp Lys Arg

20

<210> 30

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albumin fusion VECTOR

<220>

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<223> BamHI restriction site

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<222> (11)..(16)

<223> Hind III restriction site

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<222> (17)..(27)

<223> Kozak sequence

<220>

<221> misc_feature

<222> (25)..(97)

<223> cds natural signal sequence of human serum albumin

<220>

<221> misc_feature

<222> (75)..(81)

<223> XhoI restriction site

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<222> (98)..(114)
 <223> cds first six amino acids of human serum albumin

 <400> 30
 tcagggatcc aagcttccgc caccatgaag tgggtaacct ttatttcct tctttttctc 60

 tttagctcgg cttactcgag ggggtgtgtt cgtcgagatg cacacaagag tgag 114

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 PC4:HSA albumin fusion VECTOR

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 <222> (12)..(17)
 <223> EcoRI restriction site

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 <222> (15)..(17)
 <223> reverse complement of stop codon

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 <222> (18)..(25)
 <223> AscI restriction site

 <220>
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 <222> (18)..(43)
 <223> reverse complement of DNA sequence encoding last 9 amino acids

 <400> 31
 gcagcggtac cgaattcggc ggcgccttata agcctaaggc agc 43

 <210> 32
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<400> 32
ccgccgctcg aggggtgtgt ttctcgann nnnnnnnnnn nnnnnn

46

<210> 33
<211> 55
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protein into pC4:HSA vector

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agtcccatcg atgagcaacc tcactcttgt gtgcacnncnn nnnnnnnnnnn nnnnn 55

<210> 34
<211> 17
<212> PRT
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<220>
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<223> Stanniocalcin signal peptide

<400> 34
Met Leu Gln Asn Ser Ala Val Leu Leu Leu Leu Val Ile Ser Ala Ser
1 5 10 15

Ala

<210> 35
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<221> signal
<223> Synthetic signal peptide

<400> 35
Met Pro Thr Trp Ala Trp Trp Leu Phe Leu Val Leu Leu Leu Ala Leu
1 5 10 15

Trp Ala Pro Ala Arg Gly
20

<210> 36
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
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amplifying human VH domains

<400> 36
caggtgcagc tggcgcagtc tgg 23

<210> 37
<211> 23
<212> DNA
<213> Artificial Sequence

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amplifying human VH domains

<400> 37
caggtcaact taagggagtc tgg 23

<210> 38
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
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amplifying human VH domains

<400> 38
gaggtgcagc tggcgcagtc tgg 23

<210> 39
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<400> 39

caggtgcagc tgcaggagtc ggg 23

<210> 40
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<400> 41
caggtacagc tgcagcagtc agg 23

<210> 42
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amplifying human VH domains

<400> 42
tgaggagacg gtgaccaggg tgcc 24

<210> 43
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
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amplifying human VH domains

<400> 43
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<210> 44
<211> 24

<212> DNA
 <213> Artificial Sequence

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 <210> 45
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 <210> 46
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 <212> DNA
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 <220>
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 <223>Degenerate Vkappa forward primer useful for
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 <400> 46
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 <210> 47
 <211> 23
 <212> DNA
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 <220>
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 <223>Degenerate Vkappa forward primer useful for
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 <400> 47
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 <210> 48
 <211> 23
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<223>Degenerate Vkappa forward primer useful for
amplifying human VL domains

<400> 48

gatattgtga tgactcagtc tcc

23

<210> 49

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<221>primer_bind

<223>Degenerate Vkappa forward primer useful for
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<400> 49

gaaattgtgt tgacgcagtc tcc

23

<210> 50

<211> 23

<212> DNA

<213> Artificial Sequence

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<223>Degenerate Vkappa forward primer useful for
amplifying human VL domains

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gacatcgtga tgacccagtc tcc

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<210> 51

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<221>primer_bind

<223>Degenerate Vkappa forward primer useful for
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<400> 51

gaaacgacac tcacgcagtc tcc

23

<210> 52

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

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<223>Degenerate Vkappa forward primer useful for
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<400> 52

gaaattgtgc tgactcagtc tcc

23

<210> 53
 <211> 23
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 <220>
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 <223>Degenerate Vlambda forward primer useful for
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 <210> 54
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 <400> 54
 cagtctgccc tgactcagcc tgc 23

 <210> 55
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 <210> 56
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 <400> 56
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 <210> 57
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 <212> DNA
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<220>
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<400> 57
 cacgttatac tgactcaacc gcc 23

<210> 58
 <211> 23
 <212> DNA
 <213> Artificial Sequence

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<400> 58
 caggctgtgc tcactcagcc gtc 23

<210> 59
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 <212> DNA
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<400> 59
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<210> 60
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<400> 60
 acgtttgatt tccaccttgg tccc 24

<210> 61
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<400> 61	
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<400> 62	
acgtttgata tccactttgg tccc	24
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acgtttgatc tccaccttgg tccc	24
<210> 64	
<211> 24	
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acgtttaatc tccagtcgtg tccc	24
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<221>primer_bind	
<223>Degenerate Jlamba reverse primer useful for amplifying human VL domains	
<400> 65	
cagtctgtgt tgacgcagcc gcc	23
<210> 66	

<211> 23
 <212> DNA
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 <400> 66
 cagtctgccc tgactcagcc tgc 23

 <210> 67
 <211> 23
 <212> DNA
 <213> Artificial Sequence

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 <400> 67
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 <210> 68
 <211> 23
 <212> DNA
 <213> Artificial Sequence

 <220>
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 <400> 68
 tcttctgagc tgactcagga ccc 23

 <210> 69
 <211> 23
 <212> DNA
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 <400> 69
 cacgttatac tgactcaacc gcc 23

 <210> 70
 <211> 23
 <212> DNA
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<223>Degenerate Jlambda reverse primer useful for
amplifying human VL domains

<400> 70

caggctgtgc tcactcagcc gtc

23

<210> 71

<211> 23

<212> DNA

<213> Artificial Sequence

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<223>Degenerate Jlambda reverse primer useful for
amplifying human VL domains

<400> 71

aattttatgc tgactcagcc cca

23

<210> 72

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

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<223>Linker peptide that may be used to join VH
and VL domains in an scFv.

<400> 72

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
1 5 10 15

<210> 73

<211> 101

<212> PRT

<213> Homo sapiens

<400> 73

Pro Ala Leu Phe Ile Cys Val Ile Ile Phe Val Asn Ile Val Phe Ser
1 5 10 15

Val Val Ala Thr Ser Ser Pro Pro Ala Ser Gly Ser Val Cys Leu Pro
20 25 30

Gly Leu Leu Ala Pro His Trp Ala Ala Pro Gly Ser Leu Pro Leu Ile
35 40 45

Pro Gly Leu Ala Val Arg Pro Ser Gln Gln Gly Pro Val Thr Gln Gln
50 55 60

Pro Ala Gln Ser Ile Cys Phe Trp Gly Met Gly Trp Gly Leu Leu His
65 70 75 80

Arg Arg Phe Glu Pro Ser Thr Leu Gly Lys Gly Thr Leu His Asp Thr
85 90 95

Pro Leu Pro Pro Ser
100

<210> 74

<211> 58

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<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 74

Arg Pro Ser Leu Pro Lys Cys Ala Ala Leu Val His Val Pro Asn Gly
1 5 10 15

Pro Ser Pro His Ala Pro Pro Xaa Ser Gly Val Gly Ala Pro Ser Glu
20 25 30

Val Ser Glu Ser Leu Lys Cys Ser Phe Val Arg Pro Leu Cys Ser Asp
35 40 45

Ser Pro Gly Gln Ala Thr Ser Asn Pro Leu
50 55

<210> 75

<211> 119

<212> PRT

<213> Homo sapiens

<400> 75

Asp Leu Asp Leu Met Glu Ser Gly Val Ser Thr His Asn Met Ser Ser
1 5 10 15

Trp Thr Leu Gly Ile His Cys Glu Gln Ala Gly Trp Gly Leu Pro Ala
20 25 30

Gln Ile Gly Ala Ile Leu Phe Cys Ile Leu Phe Gln Gly Val Leu Asn
35 40 45

Thr Leu Lys Gln Val Glu Ala Pro Ala Pro Asp Trp Glu Leu Leu Glu
50 55 60

Arg Pro Pro Cys Val Cys Val Val Leu Ser Trp Ser His Ile Glu Ser
65 70 75 80

Gly Trp Gly Ser Ser Thr Arg Gln Ser Pro Ser Asn Ser Gln Val Leu
85 90 95

Ala Pro Ser Gly Lys Ala Asp Thr Leu Ser Trp Arg Arg Pro Arg Lys
100 105 110

Ser Gly Leu Arg Val Ala Ala
115

<210> 76

<211> 90

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 76

Val Thr Cys Gln Xaa Val Leu Pro Ser Pro Val Tyr Leu Cys Asn Tyr
1 5 10 15

Phe Cys Lys His Cys Ile Leu Cys Gly Arg His Leu Leu Ala Pro Ser
20 25 30

Leu Gly Phe Ser Leu Ser Ser Arg Pro Ala Cys Thr Ser Leu Gly Cys
35 40 45

Ser Gly Val Ser Ala Pro His Ser Arg Pro Gly Cys Gln Ala Gln Pro
50 55 60

Ala Gly Ala Arg Asp Pro Ala Ala Cys Pro Lys His Leu Phe Leu Gly
65 70 75 80

Asp Gly Val Gly Ala Ala Pro Gln Glu Val
85 90

<210> 77

<211> 70

<212> PRT

<213> Homo sapiens

<220>

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<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 77

Met Asp Pro Ala Ala Val Ala Leu Leu Ala Leu Ser Leu Pro Cys Ala
1 5 10 15

Leu Val Gly Val Gln Trp Glu Gln Ala Pro Trp Gly Xaa Trp Arg Leu
20 25 30

Ser Xaa Ser Ala Xaa Thr Pro Glu Thr Pro Ser Trp Arg Leu Cys Pro
35 40 45

Leu Arg Asp Tyr Pro Lys Pro Gly Gln Arg Ser Gly Gly Asp Arg Gly
50 55 60

Ser His Ile Arg Ser Leu
65 70

<210> 78

<211> 194

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 78

Gln Trp Xaa Gly Gln Gly Ser Leu Cys Pro Trp Tyr Cys Cys Pro Gly
1 5 10 15

Xaa Val Ser Ala Val Thr Leu Leu Pro Ser Trp Trp Leu Leu Arg Pro
20 25 30

Xaa Phe Val Leu Leu Phe Leu Pro Lys Cys Leu Ser Ser Pro Ser Cys
35 40 45

Ile Lys Tyr Pro Cys Cys Ala Thr Asn Tyr Leu Glu Leu Gly Asp Phe
50 55 60

Thr Thr Thr Ala Cys Gln Arg Pro Ala Val Asp Glu Gly Leu Gly Gly
65 70 75 80

Met Ala Gly Pro Ala Gln Gly Ser Leu Ala Glu Val Gly Ala Glu Ala

85					90					95					
Ala	Arg	His	Trp	Arg	Leu	Gly	Leu	Ser	His	Thr	Pro	Trp	Leu	Leu	Gly
			100					105					110		
Gly	Cys	Ile	Leu	Leu	Ser	Ser	Leu	Ser	Ser	Arg	Gly	Cys	Thr	Leu	Gly
		115					120					125			
Cys	Arg	Pro	Pro	Val	Ser	Leu	Thr	Gly	Tyr	Ser	Trp	Gly	Ser	Leu	Arg
		130					135					140			
Ser	Trp	Arg	Cys	Pro	Gln	Pro	Pro	Ser	Pro	Arg	Leu	Pro	Pro	Pro	His
						150					155				160
Thr	Leu	Arg	Pro	Gln	Arg	Phe	Val	Arg	Val	His	Glu	Ile	Leu	Glu	Leu
				165					170					175	
Pro	Gly	Cys	Ser	Phe	Cys	Asn	Ile	Phe	Asn	Ile	Cys	Asn	Pro	Val	Lys
			180					185					190		

Tyr Gln

<210> 79
 <211> 103
 <212> PRT
 <213> Homo sapiens

<400> 79

Met	Asp	Pro	Ala	Ala	Val	Ala	Leu	Leu	Ala	Leu	Ser	Leu	Pro	Cys	Ala
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Leu	Val	Gly	Val	Gln	Trp	Glu	Gln	Ala	Pro	Trp	Gly	Pro	Trp	Arg	Leu
			20					25					30		
Ser	Leu	Leu	Ser	Pro	His	Pro	Arg	Asp	Pro	Ile	Val	Ala	Pro	Val	Ser
			35				40					45			
Thr	Gln	Gly	Leu	Ser	Gln	Ala	Trp	Pro	Glu	Val	Gly	Arg	Gly	Gln	Arg
		50				55					60				
Glu	Pro	His	Arg	Ser	Leu	Tyr	Gln	Pro	Leu	Ser	Tyr	His	Arg	Val	Gly
		65			70				75						80
Ala	Leu	Pro	Ser	His	Arg	Val	Ser	Gly	Leu	Trp	Ala	Pro	Pro	Ser	Cys
				85					90					95	
Thr	Gly	Pro	Arg	Gly	His	Phe									
				100											

<210> 80
 <211> 477
 <212> PRT

<213> Homo sapiens

<400> 80

Met	Ala	Ala	Pro	Thr	Pro	Ala	Arg	Pro	Val	Leu	Thr	His	Leu	Leu	Val
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Ala	Leu	Phe	Gly	Met	Gly	Ser	Trp	Ala	Ala	Val	Asn	Gly	Ile	Trp	Val
			20					25					30		
Glu	Leu	Pro	Val	Val	Val	Lys	Glu	Leu	Pro	Glu	Gly	Trp	Ser	Leu	Pro
		35					40					45			
Ser	Tyr	Val	Ser	Val	Leu	Val	Ala	Leu	Gly	Asn	Leu	Gly	Leu	Leu	Val
	50					55					60				
Val	Thr	Leu	Trp	Arg	Arg	Leu	Ala	Pro	Gly	Lys	Asp	Glu	Gln	Val	Pro
65					70					75					80
Ile	Arg	Val	Val	Gln	Val	Leu	Gly	Met	Val	Gly	Thr	Ala	Leu	Leu	Ala
				85					90						95
Ser	Leu	Trp	His	His	Val	Ala	Pro	Val	Ala	Gly	Gln	Leu	His	Ser	Val
			100					105					110		
Ala	Phe	Leu	Ala	Leu	Ala	Phe	Val	Leu	Ala	Leu	Ala	Cys	Cys	Ala	Ser
		115					120					125			
Asn	Val	Thr	Phe	Leu	Pro	Phe	Leu	Ser	His	Leu	Pro	Pro	Arg	Phe	Leu
	130					135					140				
Arg	Ser	Phe	Phe	Leu	Gly	Gln	Gly	Leu	Ser	Ala	Leu	Leu	Pro	Cys	Val
145					150					155					160
Leu	Ala	Leu	Val	Gln	Gly	Val	Gly	Arg	Leu	Glu	Cys	Pro	Pro	Ala	Pro
			165					170						175	
Ile	Asn	Gly	Thr	Pro	Gly	Pro	Pro	Leu	Asp	Phe	Leu	Glu	Arg	Phe	Pro
		180						185					190		
Ala	Ser	Thr	Phe	Phe	Trp	Ala	Leu	Thr	Ala	Leu	Leu	Val	Ala	Ser	Ala
		195					200					205			
Ala	Ala	Phe	Gln	Gly	Leu	Leu	Leu	Leu	Pro	Pro	Pro	Pro	Ser	Val	
	210					215				220					
Pro	Thr	Gly	Glu	Leu	Gly	Ser	Gly	Leu	Gln	Val	Gly	Ala	Pro	Gly	Ala
225					230					235					240
Glu	Glu	Glu	Val	Glu	Glu	Ser	Ser	Pro	Leu	Gln	Glu	Pro	Pro	Ser	Gln
			245					250						255	
Ala	Ala	Gly	Thr	Thr	Pro	Gly	Pro	Asp	Pro	Lys	Ala	Tyr	Gln	Leu	Leu
			260					265					270		
Ser	Ala	Arg	Ser	Ala	Cys	Leu	Leu	Gly	Leu	Leu	Ala	Ala	Thr	Asn	Ala
		275					280					285			

Leu Thr Asn Gly Val Leu Pro Ala Val Gln Ser Phe Ser Cys Leu Pro
290 295 300

Tyr Gly Arg Leu Ala Tyr His Leu Ala Val Val Leu Gly Ser Ala Ala
305 310 315 320

Asn Pro Leu Ala Cys Phe Leu Ala Met Gly Val Leu Cys Arg Tyr Thr
325 330 335

Arg Thr Pro Ser Pro Cys Ala Gly Gly Thr Gln Gly Trp Glu Pro Gly
340 345 350

Pro Gly Ala Val Ser Pro Asp Ile Leu Leu Ala His Cys Arg Ser Leu
355 360 365

Ala Gly Leu Gly Gly Leu Ser Leu Leu Gly Val Phe Cys Gly Gly Tyr
370 375 380

Leu Met Ala Leu Ala Val Leu Ser Pro Cys Pro Pro Leu Val Gly Thr
385 390 395 400

Ser Ala Gly Val Val Leu Val Val Leu Ser Trp Val Leu Cys Leu Gly
405 410 415

Val Phe Ser Tyr Val Lys Val Ala Ala Ser Ser Leu Leu His Gly Gly
420 425 430

Gly Arg Pro Ala Leu Leu Ala Ala Gly Val Ala Ile Gln Val Gly Ser
435 440 445

Leu Leu Gly Ala Val Ala Met Phe Pro Pro Thr Ser Ile Tyr His Val
450 455 460

Phe His Ser Arg Lys Asp Cys Ala Asp Pro Cys Asp Ser
465 470 475

<210> 81

<211> 445

<212> PRT

<213> Homo sapiens

<400> 81

Met Ala Ala Pro Thr Pro Ala Arg Pro Val Leu Thr His Leu Leu Val
1 5 10 15

Ala Leu Phe Gly Met Gly Ser Trp Ala Ala Val Asn Gly Ile Trp Val
20 25 30

Glu Leu Pro Val Val Val Lys Glu Leu Pro Glu Gly Trp Ser Leu Pro
35 40 45

Ser Tyr Val Ser Val Leu Val Ala Leu Gly Asn Leu Gly Leu Leu Val
50 55 60

Val Thr Leu Trp Arg Arg Leu Ala Pro Gly Lys Asp Glu Gln Val Pro

65		70		75		80
Ile Arg Val Val Gln Val Leu Gly Met Val Gly Thr Ala Leu Leu Ala						
	85			90		95
Ser Leu Trp His His Val Ala Pro Val Ala Gly Gln Leu His Ser Val						
	100			105		110
Ala Phe Leu Ala Leu Ala Phe Val Leu Ala Leu Ala Cys Cys Ala Pro						
	115			120		125
Asn Val Thr Phe Leu Pro Phe Leu Ser His Leu Pro Pro Arg Phe Leu						
	130			135		140
Arg Ser Phe Phe Leu Gly Gln Gly Leu Ser Ala Leu Leu Pro Cys Val						
	145			150		155
						160
Leu Ala Leu Val Gln Gly Val Gly Arg Leu Glu Cys Pro Pro Ala Pro						
				165		170
						175
Ile Asn Gly Thr Pro Gly Pro Pro Leu Asp Phe Leu Glu Arg Phe Pro						
	180			185		190
Ala Ser Thr Phe Phe Trp Ala Leu Thr Ala Leu Leu Val Ala Ser Ala						
	195			200		205
Ala Ala Phe Gln Gly Leu Leu Leu Leu Leu Pro Pro Pro Pro Ser Val						
	210			215		220
Pro Thr Gly Glu Leu Gly Ser Gly Leu Gln Val Gly Ala Pro Gly Ala						
	225			230		235
						240
Glu Glu Glu Val Glu Glu Ser Ser Pro Leu Gln Glu Pro Pro Ser Gln						
				245		250
						255
Ala Ala Gly Thr Thr Pro Gly Pro Asp Pro Lys Ala Tyr Gln Leu Leu						
	260			265		270
Ser Ala Arg Ser Ala Cys Leu Leu Gly Leu Leu Ala Ala Thr Asn Ala						
	275			280		285
Leu Thr Asn Gly Val Leu Pro Ala Val Gln Ser Phe Ser Cys Leu Pro						
	290			295		300
Tyr Gly Arg Leu Ala Tyr His Leu Ala Val Val Leu Gly Ser Ala Ala						
	305			310		315
						320
Asn Pro Leu Ala Cys Phe Leu Ala Met Gly Val Leu Cys Arg Ser Leu						
				325		330
						335
Ala Gly Leu Gly Gly Leu Ser Leu Leu Gly Val Phe Cys Gly Gly Tyr						
				340		345
						350
Leu Met Ala Leu Ala Val Leu Ser Pro Cys Pro Pro Leu Val Gly Thr						
	355			360		365
Ser Ala Gly Val Val Leu Val Val Leu Ser Trp Val Leu Cys Leu Gly						

370	375	380
Val Phe Ser Tyr Val Lys Val Ala Ala Ser Ser Leu Leu His Gly Gly		
385	390	395 400
Gly Arg Pro Ala Leu Leu Ala Ala Gly Val Ala Ile Gln Val Gly Ser		
	405	410 415
Leu Leu Gly Ala Val Ala Met Phe Pro Pro Thr Ser Ile Tyr His Val		
	420	425 430
Phe His Ser Arg Lys Asp Cys Ala Asp Pro Cys Asp Ser		
	435	440 445

<210> 82
 <211> 264
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (196)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (224)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (233)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 82
 Met Leu Arg Leu Phe Glu Thr Phe Leu Glu Thr Ala Pro Gln Leu Thr
 1 5 10 15
 Leu Val Leu Ala Ile Met Leu Gln Ser Gly Arg Ala Glu Tyr Tyr Gln
 20 25 30
 Trp Val Gly Ile Cys Thr Ser Phe Leu Gly Ile Ser Trp Ala Leu Leu
 35 40 45
 Asp Tyr His Arg Ala Leu Arg Thr Cys Leu Pro Ser Lys Pro Leu Leu
 50 55 60
 Gly Leu Gly Ser Ser Val Ile Tyr Phe Leu Trp Asn Leu Leu Leu Leu
 65 70 75 80
 Trp Pro Arg Val Leu Ala Val Ala Leu Phe Ser Ala Leu Phe Pro Ser
 85 90 95
 Tyr Val Ala Leu His Phe Leu Gly Leu Trp Leu Val Leu Leu Leu Trp
 100 105 110

Val Trp Leu Gln Gly Thr Asp Phe Met Pro Asp Pro Ser Ser Glu Trp
 115 120 125
 Leu Tyr Arg Val Thr Val Ala Thr Ile Leu Tyr Phe Ser Trp Phe Asn
 130 135 140
 Val Ala Glu Gly Arg Thr Arg Gly Arg Ala Ile Ile His Phe Ala Phe
 145 150 155 160
 Leu Leu Ser Asp Ser Ile Leu Leu Val Ala Thr Trp Val Thr His Ser
 165 170 175
 Ser Trp Leu Pro Ser Gly Ile Pro Leu Gln Leu Trp Leu Pro Val Gly
 180 185 190
 Cys Gly Cys Xaa Phe Leu Gly Leu Ala Leu Arg Leu Val Tyr Tyr His
 195 200 205
 Trp Leu His Pro Ser Cys Cys Trp Lys Pro Asp Pro Asp Gln Val Xaa
 210 215 220
 Gly Ala Arg Ser Leu Leu Ser Pro Xaa Gly Tyr Gln Leu Pro Gln Asn
 225 230 235 240
 Arg Arg Met Thr His Leu Ala Gln Lys Phe Phe Pro Lys Ala Lys Asp
 245 250 255
 Glu Ala Ala Ser Pro Val Lys Gly
 260

<210> 83
 <211> 115
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (60)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (73)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (75)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (82)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 83

Leu Pro Tyr Pro Gly Leu Gly Gly His Arg Gly Cys Pro Leu Glu Phe
1 5 10 15

Phe Leu Pro Ser Pro Thr Pro Phe Ile Gln Phe Met Lys Gln Ile Phe
20 25 30

Ala Lys Ser Ser Leu Cys Ala Arg Asn Ile Ile Leu Ser Leu Gln Pro
35 40 45

Gly Thr Arg Pro Ala Thr Ser Leu Ala Ser Ser Xaa Thr Cys Thr Asn
50 55 60

Gln Ser Arg Val Arg Ser Gln Met Xaa Glu Xaa Arg Asp Ala Gln Leu
65 70 75 80

Trp Xaa Ala Pro Val Arg Thr Ser Gly Ile Ser Val Lys Leu Ala Trp
85 90 95

Pro Leu Leu Leu Leu Ser Arg Gly Cys Phe Ser Thr Lys Ser Leu Val
100 105 110

Ser Leu Val
115

<210> 84

<211> 264

<212> PRT

<213> Homo sapiens

<400> 84

Met Leu Arg Leu Phe Glu Thr Phe Leu Glu Thr Ala Pro Gln Leu Thr
1 5 10 15

Leu Val Leu Ala Ile Met Leu Gln Ser Gly Arg Ala Glu Tyr Tyr Gln
20 25 30

Trp Val Gly Ile Cys Thr Ser Phe Leu Gly Ile Ser Trp Ala Leu Leu
35 40 45

Asp Tyr His Arg Ala Leu Arg Thr Cys Leu Pro Ser Lys Pro Leu Leu
50 55 60

Gly Leu Gly Ser Ser Val Ile Tyr Phe Leu Trp Asn Leu Leu Leu Leu
65 70 75 80

Trp Pro Arg Val Leu Ala Val Ala Leu Phe Ser Ala Leu Phe Pro Ser
85 90 95

Tyr Val Ala Leu His Phe Leu Gly Leu Trp Leu Val Leu Leu Leu Trp
100 105 110

Val Trp Leu Gln Gly Thr Asp Phe Met Pro Asp Pro Ser Ser Glu Trp
115 120 125

Leu Tyr Arg Val Thr Val Ala Thr Ile Leu Tyr Phe Ser Trp Phe Asn
 130 135 140
 Val Ala Glu Gly Arg Thr Arg Gly Arg Ala Ile Ile His Phe Ala Phe
 145 150 155 160
 Leu Leu Ser Asp Ser Ile Leu Leu Val Ala Thr Trp Val Thr His Ser
 165 170 175
 Ser Trp Leu Pro Ser Gly Ile Pro Leu Gln Leu Trp Leu Pro Val Gly
 180 185 190
 Cys Gly Cys Phe Phe Leu Gly Leu Ala Leu Arg Leu Val Tyr Tyr His
 195 200 205
 Trp Leu His Pro Ser Cys Cys Trp Lys Pro Asp Pro Asp Gln Val Asp
 210 215 220
 Gly Ala Arg Ser Leu Leu Ser Pro Glu Gly Tyr Gln Leu Pro Gln Asn
 225 230 235 240
 Arg Arg Met Thr His Leu Ala Gln Lys Phe Phe Pro Lys Ala Lys Asp
 245 250 255
 Glu Ala Ala Ser Pro Val Lys Gly
 260

<210> 85
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 85
 Met Asn Val Phe Leu Ser Leu Pro Leu Gly Ser Ser Leu Pro Pro Leu
 1 5 10 15
 Leu Phe Pro Pro Ser Leu Pro Ser Leu Phe Phe Pro Leu Pro Leu Tyr
 20 25 30
 Leu Ser Phe Ser Ala Pro Ser Pro Ala Thr Thr Pro Gly Phe Ile Ser
 35 40 45
 Leu Pro Gly His Ile Pro Ser Ser Ser
 50 55

<210> 86
 <211> 49
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 86

Cys His Pro Gln Gln Pro Ser Cys Arg Ile Pro Leu Phe Val Leu Phe
1 5 10 15

Ile Ser Gln Thr Ser Gln His Leu Gly Xaa Ile Glu Gly Ala Tyr Val
20 25 30

Glu Ile Leu Gly Ala Gly Ser Pro Asn Thr Ser Glu Thr Ile Pro Asn
35 40 45

Asn

<210> 87

<211> 52

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 87

Lys Glu Pro Thr Leu Lys Tyr Trp Gly Arg Val Pro Pro Ile Leu Leu
1 5 10 15

Lys Leu Phe Gln Thr Ile Glu Lys Glu Gly His Leu Pro Asn Ser Phe
20 25 30

Tyr Glu Ala Ser Ile Ile Leu Ile Leu Lys Pro Gly Arg Asp Thr Ala
35 40 45

Lys Xaa Lys Lys
50

<210> 88

<211> 155

<212> PRT

<213> Homo sapiens

<400> 88

Met Phe Phe Phe Leu Phe Pro Trp Val Leu Leu Ser Leu Pro Ser Ser
1 5 10 15

Ser Leu Pro Leu Ser Leu Leu Tyr Ser Ser Leu Ser Leu Ser Ile Cys
20 25 30

Pro Ser Leu Leu Gln Val Leu Pro Gln Pro Gln Asp Ser Ser Ala Ser
35 40 45

Leu Asp Thr Ser His Pro Ala Pro Asp Arg Ser Pro Pro Ser Leu Leu
 50 55 60
 Ile Leu Arg Ala Leu Ser Ser Ile Cys Leu Ser Pro Cys Gln Arg Pro
 65 70 75 80
 Cys Cys Ala Pro Gly Gly Ala Thr His Leu Pro Gly Asn Ser Thr Phe
 85 90 95
 Ser His Ala Pro Asp Cys Ser Leu His Ser Ser Arg Leu Ala Gln Ser
 100 105 110
 Pro Val Thr His Cys Ser Ser Gly Ser Leu Gly Leu Ser Ala His Gly
 115 120 125
 His Leu His Ala His Pro Ser Ile Ser Val Ser Pro His Leu Ser Leu
 130 135 140
 Ser Ile Ser Asn Pro Cys Ser Ser Thr Lys His
 145 150 155

<210> 89

<211> 91

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 89

Val Trp Arg Arg Cys Val Ser Trp Arg Ser Ile Arg Ala Gln Val Thr
 1 5 10 15

Phe Pro Glu Asp Phe Leu Ser Leu Ser Ser Ser Val Gln Phe Gln Val
 20 25 30

Ile His Val Leu Leu Asp Pro Gly Xaa Thr Gly Ile Ser Thr Asp Leu
 35 40 45

Leu Ala Ser Phe Gly Leu Glu Tyr His Ser Trp Leu Gly Ala Glu Ala
 50 55 60

Ala Gly Leu Ile Val Ile Tyr His Lys Val Ala Arg Lys Leu Pro Arg
 65 70 75 80

Gly Val Arg Lys Ala Ala Gly Gly Gly Arg Val
 85 90

<210> 90

<211> 21

<212> PRT

<213> Homo sapiens

<400> 90

Asp Leu His Ile Lys Leu Leu Glu His Tyr Cys Leu Thr Ser Cys Lys
1 5 10 15

Lys Val Leu Gln Leu
20

<210> 91

<211> 67

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 91

Pro Gln Ser Pro Gln Arg Gly Cys Tyr Ser Met Leu Xaa Val Leu Ser
1 5 10 15

Val Ser His Pro Gln Pro Asn Lys Trp Arg Cys Val Val Pro Arg Gly
20 25 30

Pro Phe Ser His Cys Leu Ala Ser Arg Arg Gly Val Leu Gln Gly Tyr
35 40 45

Ser Phe Val Cys Thr Cys Arg Leu Val Gly Pro Glu Phe Phe Ser His
50 55 60

Val Gln Glu
65

<210> 92

<211> 21

<212> PRT

<213> Homo sapiens

<400> 92

Asp Leu His Ile Lys Leu Leu Glu His Tyr Cys Leu Thr Ser Cys Lys
1 5 10 15

Lys Val Leu Gln Leu
20

<210> 93

<211> 67

<212> PRT

<213> Homo sapiens

<400> 93

Asp Gly Ala Pro Gly Pro Arg Val Gly His Gly His Pro Gly Trp Leu
1 5 10 15

Gly Arg Arg Arg Gln Ala Leu His Val Leu Gln Leu Gly Met Trp Val
20 25 30

Arg Glu Gly Ile Trp Phe Cys Tyr Leu Ala Val Val Phe Ser His Pro
35 40 45

Ser Phe Leu Thr Ile Lys Ser His Leu Gly Leu Glu Lys Lys Lys Lys
50 55 60

Lys Thr Arg
65

<210> 94

<211> 44

<212> PRT

<213> Homo sapiens

<400> 94

Met Leu Ser Ser Ile Leu Ser Gln Leu Met Val Ser Lys Pro Trp Gly
1 5 10 15

Val Phe Ile Ser Phe Ser Phe Ile Ser Leu Ser Phe Tyr His Ala Ile
20 25 30

Ser Ile Ser Ser Val Pro Ser Gly Arg Gln Val Val
35 40

<210> 95

<211> 150

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (145)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 95

Cys Pro Pro Pro Pro Lys Arg Gly Gly Ile Glu Xaa Glu Leu Gly Lys
1 5 10 15

Leu Trp Pro Thr Phe Glu Thr Phe Arg Ala Asn Arg Arg Thr Met Leu
20 25 30

Leu Glu Pro Leu Gly Xaa Pro Gly Gly Gly Xaa Arg Pro Phe Trp Lys
35 40 45

Arg Ala Arg Gly Val Thr Ser Glu Ala Ile Val Thr Gly Arg Cys Asn
50 55 60

His Cys Pro Asp Cys Gly Lys Ala Trp Arg Glu Gln Gly Glu Ser Thr
65 70 75 80

Pro Ser Thr Cys Pro Phe Asp Pro Leu Thr Cys Trp Trp Leu Ala Leu
85 90 95

Ala Lys Pro Glu Thr Gly Gly Gln Glu Pro Leu Ser Val Ala Ala Tyr
100 105 110

Gly Gly Gln Pro Ser Glu Val Lys Ala Gly Gln Lys Val Glu Lys Gly
115 120 125

Leu Gly Gly Thr His Gly Glu Gln Ser Thr Lys Phe Thr Pro Phe Val
130 135 140

Xaa Trp His Trp Lys Ile
145 150

<210> 96

<211> 35

<212> PRT

<213> Homo sapiens

<400> 96

Met Val Ser Lys Pro Trp Gly Val Phe Ile Ser Phe Ser Phe Ile Ser
1 5 10 15

Leu Ser Phe Tyr His Ala Ile Ser Ile Ser Ser Val Pro Ser Gly Arg
20 25 30

Gln Val Val
35

<210> 97

<211> 13

<212> PRT
<213> Homo sapiens

<400> 97
Met Lys Ser Leu His Gly Arg Leu Leu Trp Gln Ser Ala
1 5 10

<210> 98
<211> 13
<212> PRT
<213> Homo sapiens

<400> 98
Met Lys Ser Leu His Gly Arg Leu Leu Trp Gln Ser Ala
1 5 10

<210> 99
<211> 353
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (260)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 99
Met Pro Trp Pro Leu Leu Leu Leu Ala Val Ser Gly Ala Gln Thr
1 5 10 15

Thr Arg Pro Cys Phe Pro Gly Cys Gln Cys Glu Val Glu Thr Phe Gly
20 25 30

Leu Phe Asp Ser Phe Ser Leu Thr Arg Val Asp Cys Ser Gly Leu Gly
35 40 45

Pro His Ile Met Pro Val Pro Ile Pro Leu Asp Thr Ala His Leu Asp
50 55 60

Leu Ser Ser Asn Arg Leu Glu Met Val Asn Glu Ser Val Leu Ala Gly
65 70 75 80

Pro Gly Tyr Thr Thr Leu Ala Gly Leu Asp Leu Ser His Asn Leu Leu
85 90 95

Thr Ser Ile Ser Pro Thr Ala Phe Ser Arg Leu Arg Tyr Leu Glu Ser
100 105 110

Leu Asp Leu Ser His Asn Gly Leu Thr Ala Leu Pro Ala Glu Ser Phe
115 120 125

Thr Ser Ser Pro Leu Ser Asp Val Asn Leu Ser His Asn Gln Leu Arg
130 135 140

Glu Val Ser Val Ser Ala Phe Thr Thr His Ser Gln Gly Arg Ala Leu
 145 150 155 160
 His Val Asp Leu Ser His Asn Leu Ile His Arg Leu Val Pro His Pro
 165 170 175
 Thr Arg Ala Gly Leu Pro Ala Pro Thr Ile Gln Ser Leu Asn Leu Ala
 180 185 190
 Trp Asn Arg Leu His Ala Val Pro Asn Leu Arg Asp Leu Pro Leu Arg
 195 200 205
 Tyr Leu Ser Leu Asp Gly Asn Pro Leu Ala Val Ile Gly Pro Gly Ala
 210 215 220
 Phe Ala Gly Leu Gly Gly Leu Thr His Leu Ser Leu Ala Ser Leu Gln
 225 230 235 240
 Arg Leu Pro Glu Leu Ala Pro Ser Gly Phe Arg Glu Leu Pro Gly Leu
 245 250 255
 Gln Val Leu Xaa Leu Ser Gly Asn Pro Lys Leu Asn Trp Ala Gly Ala
 260 265 270
 Glu Val Phe Ser Gly Leu Ser Ser Leu Gln Glu Leu Asp Leu Ser Gly
 275 280 285
 Thr Asn Leu Val Pro Leu Pro Glu Ala Leu Leu Leu His Leu Pro Ala
 290 295 300
 Leu Gln Ser Val Ser Val Gly Gln Asp Val Arg Cys Arg Arg Leu Val
 305 310 315 320
 Arg Glu Gly Thr Tyr Pro Arg Arg Pro Gly Ser Ser Pro Lys Val Ala
 325 330 335
 Leu His Cys Val Asp Thr Arg Glu Ser Ala Ala Arg Gly Pro Thr Ile
 340 345 350

Leu

<210> 100
 <211> 353
 <212> PRT
 <213> Homo sapiens

<400> 100
 Met Pro Trp Pro Leu Leu Leu Leu Leu Ala Val Ser Gly Ala Gln Thr
 1 5 10 15
 Thr Arg Pro Cys Phe Pro Gly Cys Gln Cys Glu Val Glu Thr Phe Gly
 20 25 30

Leu	Phe	Asp	Ser	Phe	Ser	Leu	Thr	Arg	Val	Asp	Cys	Ser	Gly	Leu	Gly
35						40				45					
Pro	His	Ile	Met	Pro	Val	Pro	Ile	Pro	Leu	Asp	Thr	Ala	His	Leu	Asp
50						55				60					
Leu	Ser	Ser	Asn	Arg	Leu	Glu	Met	Val	Asn	Glu	Ser	Val	Leu	Ala	Gly
65				70						75				80	
Pro	Gly	Tyr	Thr	Thr	Leu	Ala	Gly	Leu	Asp	Leu	Ser	His	Asn	Leu	Leu
				85						90				95	
Thr	Ser	Ile	Ser	Pro	Thr	Ala	Phe	Ser	Arg	Leu	Arg	Tyr	Leu	Glu	Ser
		100						105				110			
Leu	Asp	Leu	Ser	His	Asn	Gly	Leu	Thr	Ala	Leu	Pro	Ala	Glu	Ser	Phe
		115				120						125			
Thr	Ser	Ser	Pro	Leu	Ser	Asp	Val	Asn	Leu	Ser	His	Asn	Gln	Leu	Arg
130						135				140					
Glu	Val	Ser	Val	Ser	Ala	Phe	Thr	Thr	His	Ser	Gln	Gly	Arg	Ala	Leu
145				150						155				160	
His	Val	Asp	Leu	Ser	His	Asn	Leu	Ile	His	Arg	Leu	Val	Pro	His	Pro
				165				170				175			
Thr	Arg	Ala	Gly	Leu	Pro	Ala	Pro	Thr	Ile	Gln	Ser	Leu	Asn	Leu	Ala
		180						185				190			
Trp	Asn	Arg	Leu	His	Ala	Val	Pro	Asn	Leu	Arg	Asp	Leu	Pro	Leu	Arg
195						200						205			
Tyr	Leu	Ser	Leu	Asp	Gly	Asn	Pro	Leu	Ala	Val	Ile	Gly	Pro	Gly	Ala
210						215				220					
Phe	Ala	Gly	Leu	Gly	Gly	Leu	Thr	His	Leu	Ser	Leu	Ala	Ser	Leu	Gln
225				230						235				240	
Arg	Leu	Pro	Glu	Leu	Ala	Pro	Ser	Gly	Phe	Arg	Glu	Leu	Pro	Gly	Leu
				245				250				255			
Gln	Val	Leu	Asp	Leu	Ser	Gly	Asn	Pro	Lys	Leu	Asn	Trp	Ala	Gly	Ala
		260				265						270			
Glu	Val	Phe	Ser	Gly	Leu	Ser	Ser	Leu	Gln	Glu	Leu	Asp	Leu	Ser	Gly
275						280						285			
Thr	Asn	Leu	Val	Pro	Leu	Pro	Glu	Ala	Leu	Leu	Leu	His	Leu	Pro	Ala
290						295				300					
Leu	Gln	Ser	Val	Ser	Val	Gly	Gln	Asp	Val	Arg	Cys	Arg	Arg	Leu	Val
305				310						315				320	
Arg	Glu	Gly	Thr	Tyr	Pro	Arg	Arg	Pro	Gly	Ser	Ser	Pro	Lys	Val	Ala
				325				330				335			

Leu His Cys Val Asp Thr Arg Glu Ser Ala Ala Arg Gly Pro Thr Ile
 340 345 350

Leu

<210> 101
 <211> 285
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (259)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (262)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (280)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 101
 Met Gly Phe Leu Gln Leu Leu Val Val Ala Val Leu Ala Ser Glu His
 1 5 10 15

Arg Val Ala Gly Ala Ala Glu Val Phe Gly Asn Ser Ser Glu Gly Leu
 20 25 30

Ile Glu Phe Ser Val Gly Lys Phe Arg Tyr Phe Glu Leu Asn Arg Pro
 35 40 45

Phe Pro Glu Glu Ala Ile Leu His Asp Ile Ser Ser Asn Val Thr Phe
 50 55 60

Leu Ile Phe Gln Ile His Ser Gln Tyr Gln Asn Thr Thr Val Ser Phe
 65 70 75 80

Ser Pro Thr Leu Leu Ser Asn Ser Ser Glu Thr Gly Thr Ala Ser Gly
 85 90 95

Leu Val Phe Ile Leu Arg Pro Glu Gln Ser Thr Cys Thr Trp Tyr Leu
 100 105 110

Gly Thr Ser Gly Ile Gln Pro Val Gln Asn Met Ala Ile Leu Leu Ser
 115 120 125

Tyr Ser Glu Arg Asp Pro Val Pro Gly Gly Cys Asn Leu Glu Phe Asp
 130 135 140

Leu Asp Ile Asp Pro Asn Ile Tyr Leu Glu Tyr Asn Phe Phe Glu Thr

145		150		155		160
Thr Ile Lys Phe Ala Pro Ala Asn Leu Gly Tyr Ala Arg Gly Val Asp						
	165		170		175	
Pro Pro Pro Cys Asp Ala Gly Thr Asp Gln Asp Ser Arg Trp Arg Leu						
	180		185		190	
Gln Tyr Asp Val Tyr Gln Tyr Phe Leu Pro Glu Asn Asp Leu Thr Glu						
	195		200		205	
Glu Met Leu Leu Lys His Leu Gln Arg Met Val Ser Val Pro Gln Val						
	210		215		220	
Lys Ala Ser Ala Leu Lys Val Val Thr Leu Thr Ala Asn Asp Lys Thr						
	225		230		235	240
Ser Val Ser Phe Ser Ser Leu Pro Gly Gln Gly Val Ile Tyr Asn Val						
	245		250		255	
Ile Val Xaa Gly Pro Xaa Ser Lys Tyr Ile Cys Cys Leu His Ser Cys						
	260		265		270	
Ser His Ile Arg Leu Gln Leu Xaa Arg Ala Gly Arg Gly						
	275		280		285	

<210> 102
 <211> 417
 <212> PRT
 <213> Homo sapiens

<400> 102

Leu Phe Leu Phe Ser Lys Tyr Thr His Ser Ile Arg Ile Gln Leu Phe											
1		5				10				15	
Pro Phe Leu Arg Gly Val Asp Pro Pro Pro Cys Asp Ala Gly Thr Asp											
	20				25				30		
Gln Asp Ser Arg Trp Arg Leu Gln Tyr Asp Val Tyr Gln Tyr Phe Leu											
	35				40				45		
Pro Glu Asn Asp Leu Thr Glu Glu Met Leu Leu Lys His Leu Gln Arg											
	50				55				60		
Met Val Ser Val Pro Gln Val Lys Ala Ser Ala Leu Lys Val Val Thr											
	65				70				75		80
Leu Thr Ala Asn Asp Lys Thr Ser Val Ser Phe Ser Ser Leu Pro Gly											
		85				90				95	
Gln Gly Val Ile Tyr Asn Val Ile Val Trp Asp Pro Phe Leu Asn Thr											
	100					105				110	
Ser Ala Ala Tyr Ile Pro Ala His Thr Tyr Ala Cys Ser Phe Glu Ala											
	115					120				125	

Gly Glu Gly Ser Cys Ala Ser Leu Gly Arg Val Ser Ser Lys Val Phe
 130 135 140
 Phe Thr Leu Phe Ala Leu Leu Gly Phe Phe Ile Cys Phe Phe Gly His
 145 150 155 160
 Arg Phe Trp Lys Thr Glu Leu Phe Phe Ile Gly Phe Ile Ile Met Gly
 165 170 175
 Phe Phe Phe Tyr Ile Leu Ile Thr Arg Leu Thr Pro Ile Lys Tyr Asp
 180 185 190
 Val Asn Leu Ile Leu Thr Ala Val Thr Gly Ser Val Gly Gly Met Phe
 195 200 205
 Leu Val Ala Val Trp Trp Arg Phe Gly Ile Leu Ser Ile Cys Met Leu
 210 215 220
 Cys Val Gly Leu Val Leu Gly Phe Leu Ile Ser Ser Val Thr Phe Phe
 225 230 235 240
 Thr Pro Leu Gly Asn Leu Lys Ile Phe His Asp Asp Gly Val Phe Trp
 245 250 255
 Val Thr Phe Ser Cys Ile Ala Ile Leu Ile Pro Val Val Phe Met Gly
 260 265 270
 Cys Leu Arg Ile Leu Asn Ile Leu Thr Cys Gly Val Ile Gly Ser Tyr
 275 280 285
 Ser Val Val Leu Ala Ile Asp Ser Tyr Trp Ser Thr Ser Leu Ser Tyr
 290 295 300
 Ile Thr Leu Asn Val Leu Lys Arg Ala Leu Asn Lys Asp Phe His Arg
 305 310 315 320
 Ala Phe Thr Asn Val Pro Phe Gln Thr Asn Asp Phe Ile Ile Leu Ala
 325 330 335
 Val Trp Gly Met Leu Ala Val Ser Gly Ile Thr Leu Gln Ile Arg Arg
 340 345 350
 Glu Arg Gly Arg Pro Phe Phe Pro Pro His Pro Tyr Lys Leu Trp Lys
 355 360 365
 Gln Glu Arg Glu Arg Arg Val Thr Asn Ile Leu Asp Pro Ser Tyr His
 370 375 380
 Ile Pro Pro Leu Arg Glu Arg Leu Tyr Gly Arg Leu Thr Gln Ile Lys
 385 390 395 400
 Gly Leu Phe Gln Lys Glu Gln Pro Ala Gly Glu Arg Thr Pro Leu Leu
 405 410 415

Leu

<210> 103
<211> 363
<212> PRT
<213> Homo sapiens

<400> 103

Met	Gly	Phe	Leu	Gln	Leu	Leu	Val	Val	Ala	Val	Leu	Ala	Ser	Glu	His
1				5					10					15	
Arg	Val	Ala	Gly	Ala	Ala	Glu	Val	Phe	Gly	Asn	Ser	Ser	Glu	Gly	Leu
			20					25					30		
Ile	Glu	Phe	Ser	Val	Gly	Lys	Phe	Arg	Tyr	Phe	Glu	Leu	Asn	Arg	Pro
		35					40					45			
Phe	Pro	Glu	Glu	Ala	Ile	Leu	His	Asp	Ile	Ser	Ser	Asn	Val	Thr	Phe
	50					55					60				
Leu	Ile	Phe	Gln	Ile	His	Ser	Gln	Tyr	Gln	Asn	Thr	Thr	Val	Ser	Phe
65					70					75					80
Ser	Pro	Thr	Leu	Leu	Ser	Asn	Ser	Ser	Glu	Thr	Gly	Thr	Ala	Ser	Gly
			85						90					95	
Leu	Val	Phe	Ile	Leu	Arg	Pro	Glu	Gln	Ser	Thr	Cys	Thr	Trp	Tyr	Leu
			100					105					110		
Gly	Thr	Ser	Gly	Ile	Gln	Pro	Val	Gln	Asn	Met	Ala	Ile	Leu	Leu	Ser
	115					120						125			
Tyr	Ser	Glu	Arg	Asp	Pro	Val	Pro	Gly	Gly	Cys	Asn	Leu	Glu	Phe	Asp
	130					135					140				
Leu	Asp	Ile	Asp	Pro	Asn	Ile	Tyr	Leu	Glu	Tyr	Asn	Phe	Phe	Glu	Thr
145					150					155					160
Thr	Ile	Lys	Phe	Ala	Pro	Ala	Asn	Leu	Gly	Tyr	Ala	Arg	Gly	Val	Asp
			165						170					175	
Pro	Pro	Pro	Cys	Asp	Ala	Gly	Thr	Asp	Gln	Asp	Ser	Arg	Trp	Arg	Leu
			180					185					190		
Gln	Tyr	Asp	Val	Tyr	Gln	Tyr	Phe	Leu	Pro	Glu	Asn	Asp	Leu	Thr	Glu
		195					200					205			
Glu	Met	Leu	Leu	Lys	His	Leu	Gln	Arg	Met	Val	Ser	Val	Pro	Gln	Val
	210					215					220				
Lys	Ala	Ser	Ala	Leu	Lys	Val	Val	Thr	Leu	Thr	Ala	Asn	Asp	Lys	Thr
225					230					235					240
Ser	Val	Ser	Phe	Ser	Ser	Leu	Pro	Gly	Gln	Gly	Val	Ile	Tyr	Asn	Val
			245						250					255	

Ile Val Trp Asp Leu Phe Leu Asn Thr Ser Ala Ala Tyr Ile Pro Ala
 260 265 270
 His Thr Tyr Ala Cys Ser Phe Glu Ala Gly Glu Gly Ser Cys Ala Ser
 275 280 285
 Leu Gly Arg Val Ser Ser Lys Val Phe Phe Thr Leu Phe Ala Leu Leu
 290 295 300
 Gly Phe Phe Ile Cys Phe Phe Gly Gln Arg Phe Trp Lys Thr Glu Leu
 305 310 315 320
 Phe Phe Ile Gly Phe Ile Ile Met Gly Phe Phe Phe Tyr Ile Leu Ile
 325 330 335
 Thr Arg Leu Thr Pro Ile Lys Tyr Asp Ala Glu His Thr Asp Leu Trp
 340 345 350
 Ser His Trp Leu Leu Phe Gly Gly Phe Ser His
 355 360

<210> 104
 <211> 79
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (42)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (49)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (69)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (76)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 104
 Met Leu Val Lys Gly Glu Gly Val Arg Leu Val Leu Arg Leu Leu Gly
 1 5 10 15
 Arg Asn Gly Leu His Leu Ala Pro Leu Pro Ala Leu Leu Leu His Phe
 20 25 30
 Leu Met Leu Pro Leu Ser Ala Pro Val Xaa Tyr Ser Leu Pro Ala Gly
 35 40 45

Xaa Cys Leu Gln Gly Thr Gly Ser Ser Ser Phe Tyr Ser Val Lys Phe
50 55 60

Ser Gly Ser Leu Xaa Gly Gly Lys Gly Lys Pro Xaa Asn Trp Pro
65 70 75

<210> 105
<211> 71
<212> PRT
<213> Homo sapiens

<400> 105
Met Leu Val Lys Gly Glu Gly Val Arg Leu Val Leu Arg Leu Leu Gly
1 5 10 15

Arg Asn Gly Leu His Leu Ala Pro Leu Pro Ala Leu Leu Leu His Phe
20 25 30

Leu Met Leu Pro Leu Ser Ala Pro Val Ala Tyr Ser Leu Pro Ala Gly
35 40 45

Ala Cys Leu Gln Gly Thr Gly Ser Ser Ser Leu Leu Leu Cys Gln Val
50 55 60

Gln Leu Leu Thr Ala Arg Glu
65 70

<210> 106
<211> 31
<212> PRT
<213> Homo sapiens

<400> 106
Met Phe Glu Ala Leu Trp Ala Thr Asp Tyr Leu Cys Cys Leu Phe Leu
1 5 10 15

Phe Val Ser Phe Phe Arg Pro Leu Gln Lys Cys Lys Asn His Ser
20 25 30

<210> 107
<211> 26
<212> PRT
<213> Homo sapiens

<400> 107
Glu Ile Met Thr Arg Thr Asp Trp Val Lys Met Trp Phe Val Phe Leu
1 5 10 15

Leu Gln Leu Ala Pro Ala Cys Pro Pro Arg
20 25

<210> 108
<211> 31
<212> PRT
<213> Homo sapiens

<400> 108
Met Phe Glu Ala Leu Trp Ala Thr Asp Tyr Leu Cys Cys Leu Phe Leu
1 5 10 15
Phe Val Ser Phe Phe Arg Pro Leu Gln Lys Cys Lys Asn His Ser
20 25 30

<210> 109
<211> 118
<212> PRT
<213> Homo sapiens

<400> 109
Met Glu Phe Val Ser Gly Gly Lys Thr Glu Ile Leu Met Leu Phe Thr
1 5 10 15
Leu Leu Val Ser Cys Tyr Val Phe Leu Pro Leu Ala Leu Pro Cys Phe
20 25 30
Ala Phe Phe Phe Ser Phe Trp Pro Ile Pro Phe Tyr Met Cys Pro Gln
35 40 45
Gln Arg Trp Gly Asp Thr Glu His Pro Gly Ser Phe Pro Ala Leu Leu
50 55 60
Gly Arg Pro Arg Leu Gln Ala Pro Ala Val Glu Thr Leu Lys Gly Asn
65 70 75 80
Lys Gln Pro Ser Thr Leu Pro Asp Pro Arg Leu Phe Arg Glu Ala Ala
85 90 95
His Phe His Pro Gly Pro Arg Thr Pro Ser Leu Cys Pro Thr Arg Ile
100 105 110
Ser Leu Asn Gly Arg Asp
115

<210> 110
<211> 157
<212> PRT
<213> Homo sapiens

<400> 110
Ser Cys Leu Pro Pro Leu Pro Leu Asn Leu Pro Leu Pro Pro Cys Leu
1 5 10 15

Cys Pro Leu Leu Gln Leu Asn Ala Ala Met Thr Arg Lys Glu Lys Thr
 20 25 30
 Lys Glu Gly Gln Arg Ala Ala Gln Phe Ser Ala Gly Ala Asp Ala Gly
 35 40 45
 Ser Gly Gly Gly Leu Ser Arg Gln Lys Asp Thr Lys Arg Pro Met Leu
 50 55 60
 Leu Val Ile His Asp Val Val Leu Glu Leu Leu Thr Ser Ser Asp Cys
 65 70 75 80
 His Ala Asn Pro Arg Lys Tyr Pro Thr Cys Gln Lys Ser Glu Val Leu
 85 90 95
 Gly Val Ser Ile Tyr Val Ser Ile Cys Pro Ser Thr Arg Pro Arg Asp
 100 105 110
 Lys Asn Lys Thr Lys Lys Arg Cys Gln Val Leu Glu Ala Val Leu Val
 115 120 125
 Ser Lys Pro Ser Gly Ser Cys His Gln Gly Ser Phe Glu Ile Val Pro
 130 135 140
 His Val Lys Gly Asn Leu Ala Phe Thr Ser Ser Asn His
 145 150 155

<210> 111
 <211> 118
 <212> PRT
 <213> Homo sapiens

<400> 111
 Met Glu Phe Val Ser Gly Gly Lys Thr Glu Ile Leu Met Leu Phe Thr
 1 5 10 15
 Leu Leu Val Ser Cys Tyr Val Phe Leu Pro Leu Ala Leu Pro Cys Phe
 20 25 30
 Ala Phe Phe Phe Ser Phe Trp Pro Ile Pro Phe Tyr Met Cys Pro Gln
 35 40 45
 Gln Arg Trp Gly Asp Thr Glu His Pro Gly Ser Phe Pro Ala Leu Leu
 50 55 60
 Gly Arg Pro Arg Leu Gln Ala Pro Ala Val Glu Thr Leu Lys Gly Asn
 65 70 75 80
 Lys Gln Pro Ser Thr Leu Pro Asp Pro Arg Leu Phe Arg Glu Ala Ala
 85 90 95
 His Phe His Pro Gly Pro Arg Thr Pro Ser Leu Cys Pro Thr Arg Ile
 100 105 110

Ser Leu Asn Gly Arg Asp
115

<210> 112
<211> 74
<212> PRT
<213> Homo sapiens

<400> 112
Leu Ala Leu His Arg Cys Ser Leu Ser Cys Leu Gln Val Ser Val Cys
1 5 10 15
Gly Val Gly Tyr Gly Glu Glu Asn Leu His Gly Gly Pro Pro Gly Leu
20 25 30
Val Val Gln Ala Val Pro Arg His Ile Leu Ile Pro Ser Met Gly His
35 40 45
Leu Lys Met Asn Asn Asn Ser Gln Asn Phe Cys Glu Ile Lys Ser Ser
50 55 60
Phe Lys Arg Ser His Leu Ser Lys Arg Phe
65 70

<210> 113
<211> 199
<212> PRT
<213> Homo sapiens

<400> 113
Met Lys Ser Gly Leu Trp Tyr Phe Phe Leu Phe Cys Leu Arg Ile Lys
1 5 10 15
Val Leu Thr Gly Glu Ile Asn Gly Ser Ala Asn Tyr Glu Met Phe Ile
20 25 30
Phe His Asn Gly Gly Val Gln Ile Leu Cys Lys Tyr Pro Asp Ile Val
35 40 45
Gln Gln Phe Lys Met Gln Leu Leu Lys Gly Gly Gln Ile Leu Cys Asp
50 55 60
Leu Thr Lys Thr Lys Gly Ser Gly Asn Thr Val Ser Ile Lys Ser Leu
65 70 75 80
Lys Phe Cys His Ser Gln Leu Ser Asn Asn Ser Val Ser Phe Phe Leu
85 90 95
Tyr Asn Leu Asp His Ser His Ala Asn Tyr Tyr Phe Cys Asn Leu Ser
100 105 110
Ile Phe Asp Pro Pro Pro Phe Lys Val Thr Leu Thr Gly Gly Tyr Leu
115 120 125

His Ile Tyr Glu Ser Gln Leu Cys Cys Gln Leu Lys Phe Trp Leu Pro
130 135 140

Ile Gly Cys Ala Ala Phe Val Val Val Cys Ile Leu Gly Cys Ile Leu
145 150 155 160

Ile Cys Trp Leu Thr Lys Lys Lys Tyr Ser Ser Ser Val His Asp Pro
165 170 175

Asn Gly Glu Tyr Met Phe Met Arg Ala Val Asn Thr Ala Lys Lys Ser
180 185 190

Arg Leu Thr Asp Val Thr Leu
195

<210> 114

<211> 199

<212> PRT

<213> Homo sapiens

<400> 114

Met Lys Ser Gly Leu Trp Tyr Phe Phe Leu Phe Cys Leu Arg Ile Lys
1 5 10 15

Val Leu Thr Gly Glu Ile Asn Gly Ser Ala Asn Tyr Glu Met Phe Ile
20 25 30

Phe His Asn Gly Gly Val Gln Ile Leu Cys Lys Tyr Pro Asp Ile Val
35 40 45

Gln Gln Phe Lys Met Gln Leu Leu Lys Gly Gly Gln Ile Leu Cys Asp
50 55 60

Leu Thr Lys Thr Lys Gly Ser Gly Asn Thr Val Ser Ile Lys Ser Leu
65 70 75 80

Lys Phe Cys His Ser Gln Leu Ser Asn Asn Ser Val Ser Phe Phe Leu
85 90 95

Tyr Asn Leu Asp His Ser His Ala Asn Tyr Tyr Phe Cys Asn Leu Ser
100 105 110

Ile Phe Asp Pro Pro Pro Phe Lys Val Thr Leu Thr Gly Gly Tyr Leu
115 120 125

His Ile Tyr Glu Ser Gln Leu Cys Cys Gln Leu Lys Phe Trp Leu Pro
130 135 140

Ile Gly Cys Ala Ala Phe Val Val Val Cys Ile Leu Gly Cys Ile Leu
145 150 155 160

Ile Cys Trp Leu Thr Lys Lys Lys Tyr Ser Ser Ser Val His Asp Pro
165 170 175

Asn Gly Glu Tyr Met Phe Met Arg Ala Val Asn Thr Ala Lys Lys Ser
 180 185 190

Arg Leu Thr Asp Val Thr Leu
 195

<210> 115
 <211> 91
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (49)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (51)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 115
 Met Val Leu Arg Gly Trp Gly Leu Ala Trp Ser Xaa Ser Pro Val Val
 1 5 10 15

Cys Gly Tyr Ser Gly Asp Met Lys Gly Val Cys Trp Gly Arg Ser Asp
 20 25 30

His Ser Leu Leu Pro Ser Glu Ile Leu Leu Pro Pro Ala Pro Cys Pro
 35 40 45

Xaa Ser Xaa Val Leu His Asn Pro Pro Pro Thr Pro His Leu Pro Ser
 50 55 60

Pro Val Leu Val Arg Ile Gln Glu Ala Pro Thr Trp Ala Gln Arg Ser
 65 70 75 80

Ser Leu Gly Ala Ser Pro Leu His Lys Gly Asp
 85 90

<210> 116
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 116
 Trp Ala Leu Pro Met Ser
 1 5

<210> 117
<211> 14
<212> PRT
<213> Homo sapiens

<400> 117
Gly Cys Ser Leu Tyr Asn Ser Phe Asn Asn Leu Leu Cys Leu
1 5 10

<210> 118
<211> 4
<212> PRT
<213> Homo sapiens

<400> 118
Leu Arg Glu Leu
1

<210> 119
<211> 91
<212> PRT
<213> Homo sapiens

<400> 119
Met Val Leu Arg Gly Trp Gly Leu Ala Trp Ser Leu Ser Pro Val Val
1 5 10 15

Cys Gly Tyr Ser Gly Asp Met Lys Gly Val Cys Trp Gly Arg Ser Asp
20 25 30

His Ser Leu Leu Pro Ser Glu Ile Leu Leu Pro Pro Ala Pro Cys Pro
35 40 45

Ser Ser Ala Val Leu His Asn Pro Pro Pro Thr Pro His Leu Pro Ser
50 55 60

Pro Val Leu Val Arg Ile Gln Glu Ala Pro Thr Trp Ala Gln Arg Ser
65 70 75 80

Ser Leu Gly Ala Ser Pro Leu His Lys Gly Asp
85 90

<210> 120
<211> 75
<212> PRT
<213> Homo sapiens

<400> 120

Glu Asp Met Pro Arg Arg Lys Glu Glu Leu Thr Asp Tyr Gln Lys Lys
 1 5 10 15
 Lys Val Ile Leu Gln Asn Leu Lys His Ser Leu Phe Leu Ser Leu Leu
 20 25 30
 Ser His Tyr Phe Tyr Ser Asn Pro Leu Glu Tyr Leu His Phe Ala Ser
 35 40 45
 Glu Gln Arg Asp Lys Phe Phe Ser His His Val Cys Thr Gly Val Val
 50 55 60
 Leu Ile Leu Asp Ile Ala Gly Thr Asn Phe Ser
 65 70 75

<210> 121
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 121
 Met Met Ile Tyr Phe Ala Leu Leu Leu Ala Ser Leu Phe Phe Leu Leu
 1 5 10 15
 Lys Val Lys Ser His Phe Gly Cys Lys Asn Val Thr Thr Thr Ser Ala
 20 25 30
 Arg Ile Phe Leu Lys Pro Leu Cys Thr Pro Lys Ser Ile Phe Pro Leu
 35 40 45
 Ser Arg Tyr Gly Arg Met Ser Ser
 50 55

<210> 122
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 122
 Met Met Ile Tyr Phe Ala Leu Leu Leu Ala Ser Leu Phe Phe Leu Leu
 1 5 10 15
 Lys Val Lys Ser His Phe Gly Cys Lys Asn Val Thr Thr Thr Ser Ala
 20 25 30
 Arg Ile Phe Leu Lys Pro Leu Cys Thr Pro Lys Ser Ile Phe Pro Leu
 35 40 45
 Ser Arg Tyr Gly Arg Met Ser Ser
 50 55

<210> 123
<211> 59
<212> PRT
<213> Homo sapiens

<400> 123
Met Gly Asn Gln Asp Glu Asn Gln Gly Leu Ser Val Ile Arg Leu Leu
1 5 10 15
Leu Ile Ile Thr Ile Arg Arg Val Gln Met Trp Asp Lys Ile Leu Thr
20 25 30
Pro Ala Phe Ser Gln Met Val Asn Leu Pro Val Ala Leu Glu Leu His
35 40 45
Ile Val Leu Phe Val Cys Phe Thr Glu Ser Val
50 55

<210> 124
<211> 114
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 124
Gln Arg Ala Met Ala Cys Xaa Phe Gly Ile Leu Leu Ile Val Ser Ala
1 5 10 15
Thr Leu Cys Phe Gly Xaa Leu Xaa Gly Phe Leu Met Thr Leu Pro Gln
20 25 30
Lys Arg Lys Ser Phe Gln Ser Lys Ser Phe Val Arg Leu Lys Asp Val
35 40 45
Thr Ala Tyr Met Trp Glu Lys Val Leu Thr Phe Leu Arg Leu Glu Thr
50 55 60

Pro Lys Leu Glu Glu Ala Glu Met Val Glu Asn His Asn Tyr Tyr Leu
65 70 75 80

Asp Glu Phe Ala Asn Leu Leu Asp Glu Leu Leu Met Lys Ile Asn Gly
85 90 95

Leu Ser Asp Ser Leu Gln Leu Pro Leu Leu Glu Lys Thr Ser Xaa Asn
100 105 110

Thr Gly

<210> 125

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 125

Met Asp Ile Leu Met Leu Leu Leu Leu Cys Val Ile Tyr Gly Arg
1 5 10 15

Phe Ser Gln Asp Glu Tyr Ser Leu Asn Gln Ala Ile Arg Lys Glu Phe
20 25 30

Thr Arg Asn Ala Arg Asn Cys Leu Gly Gly Leu Arg Asn Ile Ala Asp
35 40 45

Trp Trp Asp Trp Ser Leu Thr Thr Leu Leu Asp Gly Leu Tyr Pro Gly
50 55 60

Gly Thr Pro Ser Ala Arg Val Pro Gly Ala Ser Ala Trp Ser Ser Trp
65 70 75 80

Xaa Lys Met Xaa Thr
85

<210> 126

<211> 561

<212> PRT

<213> Homo sapiens

<400> 126

Met	Asp	Ile	Leu	Met	Leu	Leu	Leu	Leu	Leu	Cys	Val	Ile	Tyr	Gly	Arg	
1				5					10					15		
Phe	Ser	Gln	Asp	Glu	Tyr	Ser	Leu	Asn	Gln	Ala	Ile	Arg	Lys	Glu	Phe	
			20					25					30			
Thr	Arg	Asn	Ala	Arg	Asn	Cys	Leu	Gly	Gly	Leu	Arg	Asn	Ile	Ala	Asp	
		35					40					45				
Trp	Trp	Asp	Trp	Ser	Leu	Thr	Thr	Leu	Leu	Asp	Gly	Leu	Tyr	Pro	Gly	
	50					55					60					
Gly	Thr	Pro	Ser	Ala	Arg	Val	Pro	Gly	Ala	Gln	Pro	Gly	Ala	Leu	Gly	
65					70					75				80		
Gly	Lys	Cys	Tyr	Leu	Ile	Gly	Ser	Ser	Val	Ile	Arg	Gln	Leu	Lys	Val	
				85					90					95		
Phe	Pro	Arg	His	Leu	Cys	Lys	Pro	Pro	Arg	Pro	Phe	Ser	Ala	Leu	Ile	
			100					105					110			
Glu	Asp	Ser	Ile	Pro	Thr	Cys	Ser	Pro	Glu	Val	Gly	Gly	Pro	Glu	Asn	
		115					120					125				
Pro	Tyr	Leu	Ile	Asp	Pro	Glu	Asn	Gln	Asn	Val	Thr	Leu	Asn	Gly	Pro	
	130					135					140					
Gly	Gly	Cys	Gly	Thr	Arg	Glu	Asp	Cys	Val	Leu	Ser	Leu	Gly	Arg	Thr	
145					150					155					160	
Arg	Thr	Glu	Ala	His	Thr	Ala	Leu	Ser	Arg	Leu	Arg	Ala	Ser	Met	Trp	
				165					170					175		
Ile	Asp	Arg	Ser	Thr	Arg	Ala	Val	Ser	Val	His	Phe	Thr	Leu	Tyr	Asn	
			180					185					190			
Pro	Pro	Thr	Gln	Leu	Phe	Thr	Ser	Val	Ser	Leu	Arg	Val	Glu	Ile	Leu	
		195					200					205				
Pro	Thr	Gly	Ser	Leu	Val	Pro	Ser	Ser	Leu	Val	Glu	Ser	Phe	Ser	Ile	
	210					215					220					
Phe	Arg	Ser	Asp	Ser	Ala	Leu	Gln	Tyr	His	Leu	Met	Leu	Pro	Gln	Leu	
225					230					235					240	
Val	Phe	Leu	Ala	Leu	Ser	Leu	Ile	His	Leu	Cys	Val	Gln	Leu	Tyr	Arg	
				245					250					255		
Met	Met	Asp	Lys	Gly	Val	Leu	Ser	Tyr	Trp	Arg	Lys	Pro	Arg	Asn	Trp	
			260					265					270			
Leu	Glu	Leu	Ser	Val	Val	Gly	Val	Ser	Leu	Thr	Tyr	Tyr	Ala	Val	Ser	
		275					280					285				
Gly	His	Leu	Val	Thr	Leu	Ala	Gly	Asp	Val	Thr	Asn	Gln	Phe	His	Arg	
	290					295					300					

Gly	Leu	Cys	Arg	Ala	Phe	Met	Asp	Leu	Thr	Leu	Met	Ala	Ser	Trp	Asn	305	310	315	320
Gln	Arg	Ala	Arg	Trp	Leu	Arg	Gly	Ile	Leu	Leu	Phe	Leu	Phe	Thr	Leu	325	330	335	
Lys	Cys	Val	Tyr	Leu	Pro	Gly	Ile	Gln	Asn	Thr	Met	Ala	Ser	Cys	Ser	340	345	350	
Ser	Met	Met	Arg	His	Ser	Leu	Pro	Ser	Ile	Phe	Val	Ala	Gly	Leu	Val	355	360	365	
Gly	Ala	Leu	Met	Leu	Ala	Ala	Leu	Ser	His	Leu	His	Arg	Phe	Leu	Leu	370	375	380	
Ser	Met	Trp	Val	Leu	Pro	Pro	Gly	Thr	Phe	Thr	Asp	Ala	Phe	Pro	Gly	385	390	395	400
Leu	Leu	Phe	His	Phe	Pro	Arg	Arg	Ser	Gln	Lys	Asp	Cys	Leu	Leu	Gly	405	410	415	
Leu	Ser	Lys	Ser	Asp	Gln	Arg	Ala	Met	Ala	Cys	Tyr	Phe	Gly	Ile	Leu	420	425	430	
Leu	Ile	Val	Ser	Ala	Thr	Leu	Cys	Phe	Gly	Met	Leu	Arg	Gly	Phe	Leu	435	440	445	
Met	Thr	Leu	Pro	Gln	Lys	Arg	Lys	Ser	Phe	Gln	Ser	Lys	Ser	Phe	Val	450	455	460	
Arg	Leu	Lys	Asp	Val	Thr	Ala	Tyr	Met	Trp	Glu	Lys	Val	Leu	Thr	Phe	465	470	475	480
Leu	Arg	Leu	Glu	Thr	Pro	Lys	Leu	Glu	Glu	Ala	Glu	Met	Val	Glu	Asn	485	490	495	
His	Asn	Tyr	Tyr	Leu	Asp	Glu	Phe	Ala	Asn	Leu	Leu	Asp	Glu	Leu	Leu	500	505	510	
Met	Lys	Ile	Asn	Gly	Leu	Ser	Asp	Ser	Leu	Gln	Leu	Pro	Leu	Leu	Glu	515	520	525	
Lys	Thr	Ser	Asn	Asn	Thr	Gly	Glu	Ala	Arg	Thr	Glu	Glu	Ser	Pro	Leu	530	535	540	
Val	Asp	Ile	Ser	Ser	Tyr	Gln	Ala	Ala	Glu	Pro	Ala	Asp	Ile	Lys	Asp	545	550	555	560
Phe																			

<210> 127

<211> 88

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (81)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 127
 Xaa His Lys Thr Phe Pro Ser Glu Gly Ser Ser Cys Leu Ser Ser Val
 1 5 10 15
 Thr Leu Xaa Thr Thr Ala Gln Ala Tyr Phe Thr Leu Pro Pro Pro Thr
 20 25 30
 His His Cys Pro Leu Ser Ala Thr Lys Pro His Tyr Ser Ser Asn Asp
 35 40 45
 Ala Ser Leu Val Ser Gly Lys Pro Ile Trp Cys Thr Lys Met Leu Cys
 50 55 60
 Asn Thr Lys Trp Leu Leu Pro Leu Ile Leu Leu Asn Asn Val Asn Ser
 65 70 75 80
 Xaa Arg Ile Asn Phe Met Leu Cys
 85

<210> 128
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 128
 Met Trp Lys Val Leu Arg Pro Ser Leu Phe Thr Ala Gly Leu Phe Thr
 1 5 10 15
 Ala Ser Phe Phe Tyr Ser Asp Leu Lys Val Ser Thr Glu Leu Met Lys
 20 25 30
 Leu Gln His Met Val Phe Lys Ser Phe Pro Leu Lys Cys Thr Leu Glu
 35 40 45
 Asn Trp Val Pro Gln Pro His Tyr
 50 55

<210> 129
<211> 58
<212> PRT
<213> Homo sapiens

<400> 129
Met Trp Lys Val Leu Arg Pro Ser Leu Phe Thr Ala Gly Leu Phe Thr
1 5 10 15
Ala Ser Phe Phe Tyr Ser Asp Leu Lys Val Ser Thr Glu Leu Met Lys
20 25 30
Leu Gln His Met Val Phe Lys Ser Phe Pro Leu Lys Cys Thr Leu Glu
35 40 45
Asn Trp Val Pro Gln Pro Gln Leu Leu Asn
50 55

<210> 130
<211> 32
<212> PRT
<213> Homo sapiens

<400> 130
Cys Leu Glu Thr Phe Trp Ser Leu Tyr Leu Gly Gly Trp Gly Met Val
1 5 10 15
Gly Cys Val Cys Tyr Trp His Pro Val Asn Arg Ser Gln Gly Cys Arg
20 25 30

<210> 131
<211> 199
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (142)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 131
Met Lys Leu Gly Cys Val Leu Met Ala Trp Ala Leu Tyr Leu Ser Leu
1 5 10 15
Gly Val Leu Trp Val Ala Gln Met Leu Leu Ala Ala Ser Phe Glu Thr
20 25 30
Leu Gln Cys Glu Gly Pro Val Cys Thr Glu Glu Ser Ser Cys His Thr
35 40 45

Glu Asp Asp Leu Thr Asp Ala Arg Glu Ala Gly Phe Gln Val Lys Ala
 50 55 60
 Tyr Thr Phe Ser Glu Pro Phe His Leu Ile Val Ser Tyr Asp Trp Leu
 65 70 75 80
 Ile Leu Gln Gly Pro Ala Lys Pro Val Phe Glu Gly Asp Leu Leu Val
 85 90 95
 Leu Arg Cys Gln Ala Trp Gln Asp Trp Pro Leu Thr Gln Val Thr Phe
 100 105 110
 Tyr Arg Asp Gly Ser Ala Leu Gly Pro Pro Gly Pro Asn Arg Glu Phe
 115 120 125
 Ser Ile Thr Val Val Gln Lys Ala Asp Ser Gly His Tyr Xaa Cys Ser
 130 135 140
 Gly Ile Phe Gln Ser Pro Gly Pro Gly Ile Pro Glu Thr Ala Ser Val
 145 150 155 160
 Val Ala Ile Thr Val Gln Glu Leu Phe Pro Ala Pro Ile Leu Leu Leu
 165 170 175
 Gln Gly Trp Lys Asp Ser Ala Lys Gln Gly Gly Ser Pro Gln Asn Ser
 180 185 190
 Arg Ser Pro Gln Leu Gln Lys
 195

<210> 132
 <211> 2
 <212> PRT
 <213> Homo sapiens

<400> 132
 Ser Trp
 1

<210> 133
 <211> 359
 <212> PRT
 <213> Homo sapiens

<400> 133
 Met Lys Leu Gly Cys Val Leu Met Ala Trp Ala Leu Tyr Leu Ser Leu
 1 5 10 15
 Gly Val Leu Trp Val Ala Gln Met Leu Leu Ala Ala Ser Phe Glu Thr
 20 25 30
 Leu Gln Cys Glu Gly Pro Val Cys Thr Glu Glu Ser Ser Cys His Thr
 35 40 45

Glu 50	Asp	Leu	Thr	Asp	Ala 55	Arg	Glu	Ala	Gly	Phe 60	Gln	Val	Lys	Ala	
Tyr 65	Thr	Phe	Ser	Glu	Pro 70	Phe	His	Leu	Ile	Val 75	Ser	Tyr	Asp	Trp 80	
Ile	Leu	Gln	Gly	Pro 85	Ala	Lys	Pro	Val	Phe 90	Glu	Gly	Asp	Leu	Leu 95	
Leu	Arg	Cys	Gln 100	Ala	Trp	Gln	Asp	Trp 105	Pro	Leu	Thr	Gln	Val 110	Thr	Phe
Tyr	Arg	Asp 115	Gly	Ser	Ala	Leu	Gly 120	Pro	Pro	Gly	Pro	Asn 125	Arg	Glu	Phe
Ser 130	Ile	Thr	Val	Val	Gln	Lys 135	Ala	Asp	Ser	Gly	His 140	Tyr	His	Cys	Ser
Gly 145	Ile	Phe	Gln	Ser	Pro 150	Gly	Pro	Gly	Ile	Pro 155	Glu	Thr	Ala	Ser	Val 160
Val	Ala	Ile	Thr	Val 165	Gln	Glu	Leu	Phe	Pro 170	Ala	Pro	Ile	Leu	Arg 175	Ala
Val	Pro	Ser	Ala 180	Glu	Pro	Gln	Ala	Gly 185	Gly	Pro	Met	Thr	Leu 190	Ser	Cys
Gln	Thr	Lys 195	Leu	Pro	Leu	Gln	Arg 200	Ser	Ala	Ala	Arg	Leu 205	Leu	Phe	Ser
Phe 210	Tyr	Lys	Asp	Gly	Arg	Ile 215	Val	Gln	Ser	Arg	Gly 220	Leu	Ser	Ser	Glu
Phe 225	Gln	Ile	Pro	Thr	Ala 230	Ser	Glu	Asp	His	Ser	Gly 235	Ser	Tyr	Trp	Cys 240
Glu	Ala	Ala	Thr	Glu 245	Asp	Asn	Gln	Val	Trp 250	Lys	Gln	Ser	Pro	Gln 255	Leu
Glu	Ile	Arg	Val 260	Gln	Gly	Ala	Ser	Ser 265	Ser	Ala	Ala	Pro	Pro 270	Thr	Leu
Asn	Pro	Ala 275	Pro	Gln	Lys	Ser	Ala 280	Ala	Pro	Gly	Thr	Ala 285	Pro	Glu	Glu
Ala 290	Pro	Gly	Pro	Leu	Pro	Pro 295	Pro	Pro	Thr	Pro	Ser 300	Ser	Glu	Asp	Pro
Gly 305	Phe	Ser	Ser	Pro	Leu	Gly	Met 310	Pro	Asp	Pro 315	His	Leu	Tyr	His	Gln 320
Met	Gly	Leu	Leu	Leu 325	Lys	His	Met	Gln	Asp 330	Val	Arg	Val	Leu	Leu 335	Gly
His	Leu	Leu	Met 340	Glu	Leu	Arg	Glu	Leu 345	Ser	Gly	His	Arg	Lys 350	Pro	Gly

Thr Thr Lys Ala Thr Ala Glu
355

<210> 134
<211> 5
<212> PRT
<213> Homo sapiens

<400> 134
Met Ser Arg Leu Leu
1 5

<210> 135
<211> 5
<212> PRT
<213> Homo sapiens

<400> 135
Met Ser Arg Leu Leu
1 5

<210> 136
<211> 63
<212> PRT
<213> Homo sapiens

<400> 136
Phe Leu His Val Phe Thr Ser Val Glu Leu Leu Arg Leu Ser Ser Pro
1 5 10 15

Pro Leu Pro Lys Pro Lys Tyr Lys Arg Lys Ser Ser Pro Leu Leu Met
20 25 30

Ala Glu Arg Ile Leu Ser Val Ser Gly Leu Phe Gly His Arg Leu Asn
35 40 45

Lys Gly Leu Leu Ile His Pro Lys Lys Lys Lys Lys Lys Leu Glu
50 55 60

<210> 137
<211> 438
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 137

Leu Thr Ile Thr Val His Asp Pro Asn Ala Ala Gln Trp Tyr Tyr Gly
1 5 10 15

Met Ser Trp Gly Leu Arg Leu Tyr Ile Pro Gly Phe Asp Val Gly Thr
20 25 30

Met Phe Thr Ile Gln Lys Lys Ile Leu Xaa Ser Trp Ser Pro Pro Lys
35 40 45

Pro Ile Arg Pro Leu Thr Asp Leu Gly Asp Pro Ile Phe Gln Lys His
50 55 60

Pro Asp Lys Val Asp Leu Thr Val Pro Gln Pro Phe Leu Val Pro Arg
65 70 75 80

Pro Gln Leu Gln Gln Gln His Leu Gln Pro Ser Leu Met Ser Ile Leu
85 90 95

Gly Gly Val His His Leu Leu Asn Leu Thr Gln Pro Lys Leu Ala Gln
100 105 110

Asp Cys Trp Leu Cys Leu Lys Ala Lys Pro Pro Tyr Tyr Val Gly Leu
115 120 125

Gly Val Glu Ala Thr Leu Lys Arg Gly Pro Leu Ser Cys His Thr Arg
130 135 140

Pro Arg Ala Leu Thr Ile Gly Asp Val Ser Gly Asn Ala Ser Cys Leu
145 150 155 160

Ile Ser Thr Gly Tyr Asn Leu Ser Ala Ser Pro Phe Gln Ala Thr Cys
165 170 175

Asn Gln Ser Leu Leu Thr Tyr Ile Ser Thr Ser Val Ser Tyr Gln Ala
180 185 190

Pro Asn Asn Thr Trp Leu Ala Cys Thr Ser Gly Leu Thr Arg Cys Ile
195 200 205

Asn Gly Thr Glu Pro Gly Pro Leu Leu Cys Val Leu Val His Val Leu
210 215 220

Pro Gln Val Tyr Val Tyr Ser Gly Pro Glu Gly Arg Gln Leu Ile Ala
225 230 235 240

Pro Pro Glu Leu His Pro Arg Leu His Gln Ala Val Pro Leu Leu Val
245 250 255

Pro Leu Leu Ala Gly Leu Ser Ile Ala Gly Ser Ala Ala Ile Gly Thr
260 265 270

Ala Ala Leu Val Gln Gly Glu Thr Gly Leu Ile Ser Leu Ser Gln Gln
275 280 285

Val Asp Ala Asp Phe Ser Asn Leu Gln Ser Ala Ile Asp Ile Leu His

290	295	300
Ser Gln Val Glu Ser Leu Ala Glu Val Val Leu Gln Asn Cys Arg Cys		
305	310	315 320
Leu Asp Leu Leu Phe Leu Ser Gln Gly Gly Leu Cys Ala Ala Leu Gly		
	325	330 335
Glu Ser Cys Cys Phe Tyr Ala Asn Gln Ser Gly Val Ile Lys Gly Thr		
	340	345 350
Val Lys Lys Val Arg Glu Asn Leu Asp Arg His Gln Gln Glu Arg Glu		
	355	360 365
Asn Asn Ile Pro Trp Tyr Gln Ser Met Phe Asn Trp Asn Pro Trp Leu		
	370	375 380
Thr Thr Leu Ile Thr Gly Leu Ala Gly Pro Leu Leu Ile Leu Leu Leu		
385	390	395 400
Ser Leu Ile Phe Gly Pro Cys Ile Leu Asn Ser Phe Leu Asn Phe Ile		
	405	410 415
Lys Gln Arg Ile Ala Ser Val Lys Leu Thr Tyr Leu Lys Thr Gln Tyr		
	420	425 430
Asp Thr Leu Val Asn Asn		
	435	

<210> 138
 <211> 438
 <212> PRT
 <213> Homo sapiens

<400> 138
 Leu Thr Ile Thr Val His Asp Pro Asn Ala Ala Gln Trp Tyr Tyr Gly
 1 5 10 15
 Met Ser Trp Gly Leu Arg Leu Tyr Ile Pro Gly Phe Asp Val Gly Thr
 20 25 30
 Met Phe Thr Ile Gln Lys Lys Ile Leu Val Ser Trp Ser Pro Pro Lys
 35 40 45
 Pro Ile Arg Pro Leu Thr Asp Leu Gly Asp Pro Ile Phe Gln Lys His
 50 55 60
 Pro Asp Lys Val Asp Leu Thr Val Pro Gln Pro Phe Leu Val Pro Arg
 65 70 75 80
 Pro Gln Leu Gln Gln Gln His Leu Gln Pro Ser Leu Met Ser Ile Leu
 85 90 95
 Gly Gly Val His His Leu Leu Asn Leu Thr Gln Pro Lys Leu Ala Gln
 100 105 110

Asp	Cys	Trp	Leu	Cys	Leu	Lys	Ala	Lys	Pro	Pro	Tyr	Tyr	Val	Gly	Leu	115	120	125
Gly	Val	Glu	Ala	Thr	Leu	Lys	Arg	Gly	Pro	Leu	Ser	Cys	His	Thr	Arg	130	135	140
Pro	Arg	Ala	Leu	Thr	Ile	Gly	Asp	Val	Ser	Gly	Asn	Ala	Ser	Cys	Leu	145	150	155
Ile	Ser	Thr	Gly	Tyr	Asn	Leu	Ser	Ala	Ser	Pro	Phe	Gln	Ala	Thr	Cys	165	170	175
Asn	Gln	Ser	Leu	Leu	Thr	Tyr	Ile	Ser	Thr	Ser	Val	Ser	Tyr	Gln	Ala	180	185	190
Pro	Asn	Asn	Thr	Trp	Leu	Ala	Cys	Thr	Ser	Gly	Leu	Thr	Arg	Cys	Ile	195	200	205
Asn	Gly	Thr	Glu	Pro	Gly	Pro	Leu	Leu	Cys	Val	Leu	Val	His	Val	Leu	210	215	220
Pro	Gln	Val	Tyr	Val	Tyr	Ser	Gly	Pro	Glu	Gly	Arg	Gln	Leu	Ile	Ala	225	230	235
Pro	Pro	Glu	Leu	His	Pro	Arg	Leu	His	Gln	Ala	Val	Pro	Leu	Leu	Val	245	250	255
Pro	Leu	Leu	Ala	Gly	Leu	Ser	Ile	Ala	Gly	Ser	Ala	Ala	Ile	Gly	Thr	260	265	270
Ala	Ala	Leu	Val	Gln	Gly	Glu	Thr	Gly	Leu	Ile	Ser	Leu	Ser	Gln	Gln	275	280	285
Val	Asp	Ala	Asp	Phe	Ser	Asn	Leu	Gln	Ser	Ala	Ile	Asp	Ile	Leu	His	290	295	300
Ser	Gln	Val	Glu	Ser	Leu	Ala	Glu	Val	Val	Leu	Gln	Asn	Cys	Arg	Cys	305	310	315
Leu	Asp	Leu	Leu	Phe	Leu	Ser	Gln	Gly	Gly	Leu	Cys	Ala	Ala	Leu	Gly	325	330	335
Glu	Ser	Cys	Cys	Phe	Tyr	Ala	Asn	Gln	Ser	Gly	Val	Ile	Lys	Gly	Thr	340	345	350
Val	Lys	Lys	Val	Arg	Glu	Asn	Leu	Asp	Arg	His	Gln	Gln	Glu	Arg	Glu	355	360	365
Asn	Asn	Ile	Pro	Trp	Tyr	Gln	Ser	Met	Phe	Asn	Trp	Asn	Pro	Trp	Leu	370	375	380
Thr	Thr	Leu	Ile	Thr	Gly	Leu	Ala	Gly	Pro	Leu	Leu	Ile	Leu	Leu	Leu	385	390	395
Ser	Leu	Ile	Phe	Gly	Pro	Cys	Ile	Leu	Asn	Ser	Phe	Leu	Asn	Phe	Ile	405	410	415

Lys Gln Arg Ile Ala Ser Val Lys Leu Thr Tyr Leu Lys Thr Gln Tyr
420 425 430

Asp Thr Leu Val Asn Asn
435

<210> 139
<211> 62
<212> PRT
<213> Homo sapiens

<400> 139
Met Phe Cys Arg Asn Trp Arg Cys Glu Phe Met Met Leu Ser His Asn
1 5 10 15

Thr Ala Val Met Ile Cys Ser Phe Ser Gln Asn Asp Phe His Ala Ala
20 25 30

Leu Cys Cys Ser Ser Val Ser Glu Leu Pro Tyr Leu Phe Leu Val Cys
35 40 45

Ser Thr Tyr Lys Cys Ser Cys His Ala Val Leu Phe Phe Cys
50 55 60

<210> 140
<211> 62
<212> PRT
<213> Homo sapiens

<400> 140
Met Phe Cys Arg Asn Trp Arg Cys Glu Phe Met Met Leu Ser His Asn
1 5 10 15

Thr Ala Val Met Ile Cys Ser Phe Ser Gln Asn Asp Phe His Ala Ala
20 25 30

Leu Cys Cys Ser Ser Val Ser Glu Leu Pro Tyr Leu Phe Leu Val Cys
35 40 45

Ser Thr Tyr Lys Cys Ser Cys His Ala Val Leu Phe Phe Cys
50 55 60

<210> 141
<211> 76
<212> PRT
<213> Homo sapiens

<400> 141
Ile Asn Phe Thr Tyr Lys Arg Leu Ser Leu Asp Phe Ile Tyr Ile Tyr
1 5 10 15

Met Cys Val Cys Val Cys Val Cys Val Cys Val Cys Val Cys Val Tyr
20 25 30

Leu Lys Arg Thr Cys Ala Ser Ile Lys Gly Asn Lys Met Arg Glu Tyr
35 40 45

Ile Ile Asp Phe Val Lys Ser Lys Tyr Leu Asn Tyr Gly Phe Ser Ile
50 55 60

Phe Lys Asn Ser Cys Ser Phe Cys Thr Tyr Phe Phe
65 70 75

<210> 142
<211> 42
<212> PRT
<213> Homo sapiens

<400> 142
Met Phe Leu Phe Ile Thr Phe Thr Ile Leu Ala Ile Phe Ile Ile Glu
1 5 10 15

Pro Arg Asn Leu Arg Val Asp Leu Asn Leu Ile Lys Phe Gln Thr Ser
20 25 30

Trp Pro Lys Thr Leu Val Glu Glu Gln Asn
35 40

<210> 143
<211> 42
<212> PRT
<213> Homo sapiens

<400> 143
Met Phe Leu Phe Ile Thr Phe Thr Ile Leu Ala Ile Phe Ile Ile Glu
1 5 10 15

Pro Arg Asn Leu Arg Val Asp Leu Asn Leu Ile Lys Phe Gln Thr Ser
20 25 30

Trp Pro Lys Thr Leu Val Glu Glu Gln Asn
35 40

<210> 144
<211> 23
<212> PRT
<213> Homo sapiens

<400> 144
Ala Trp Ile Gln Cys Thr Leu Leu Leu Tyr Pro Arg Arg Thr Ser Gln
1 5 10 15

Gly Ile His Gln Val Pro Gly
20

<210> 145
<211> 20
<212> PRT
<213> Homo sapiens

<400> 145
Leu Leu Met Arg Gln Pro Trp Val Gly Gln Gly Trp Gly Pro Val Val
1 5 10 15

Glu Glu Thr Cys
20

<210> 146
<211> 322
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (131)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (185)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (218)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (220)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (250)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (312)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 146
Met Ala Leu Pro Pro Gly Pro Ala Ala Leu Arg His Thr Leu Leu Leu

1	5	10	15
Leu Pro Ala	Leu Leu Ser Ser Gly Trp Gly Glu Leu Glu Pro Gln Ile		
20	25	30	
Asp Gly Gln Thr Trp Ala Glu Arg Ala Leu Arg Glu Asn Glu Arg His			
35	40	45	
Ala Phe Thr Cys Arg Val Ala Gly Gly Pro Gly Thr Pro Arg Leu Ala			
50	55	60	
Trp Tyr Leu Asp Gly Gln Leu Gln Glu Ala Ser Thr Ser Arg Leu Leu			
65	70	75	80
Ser Val Gly Gly Glu Ala Phe Ser Gly Gly Thr Ser Thr Phe Thr Val			
85	90	95	
Thr Ala His Arg Ala Gln His Glu Leu Asn Cys Ser Leu Gln Asp Pro			
100	105	110	
Arg Ser Gly Arg Ser Ala Asn Ala Ser Val Ile Leu Asn Val Gln Phe			
115	120	125	
Lys Pro Xaa Ile Ala Gln Val Gly Ala Lys Tyr Gln Glu Ala Gln Gly			
130	135	140	
Pro Gly Leu Leu Val Val Leu Phe Ala Leu Val Arg Ala Asn Pro Pro			
145	150	155	160
Ala Asn Val Thr Trp Ile Asp Gln Asp Gly Pro Val Thr Val Asn Thr			
165	170	175	
Ser Asp Phe Leu Val Leu Asp Ala Xaa Asn Tyr Pro Trp Leu Thr Asn			
180	185	190	
His Thr Val Gln Leu Gln Leu Arg Ser Leu Ala His Asn Leu Ser Val			
195	200	205	
Val Ala Thr Asn Asp Val Gly Val Thr Xaa Ala Xaa Leu Pro Ala Pro			
210	215	220	
Gly Pro Ser Arg His Pro Ser Leu Ile Ser Ser Asp Ser Asn Asn Leu			
225	230	235	240
Lys Leu Asn Asn Val Arg Leu Pro Arg Xaa Asn Met Ser Leu Pro Ser			
245	250	255	
Asn Leu Gln Leu Asn Asp Leu Thr Pro Asp Ser Arg Ala Val Lys Pro			
260	265	270	
Ala Asp Arg Gln Met Ala Gln Asn Asn Ser Arg Pro Glu Leu Leu Asp			
275	280	285	
Pro Glu Pro Gly Gly Leu Leu Thr Ser Gln Gly Phe Ile Arg Leu Pro			
290	295	300	
Val Leu Gly Tyr Ile Tyr Arg Xaa Ser Ser Val Ser Ser Asp Glu Ile			

305 310 315 320

Trp Leu

<210> 147
<211> 322
<212> PRT
<213> Homo sapiens

<400> 147

Met	Ala	Leu	Pro	Pro	Gly	Pro	Ala	Ala	Leu	Arg	His	Thr	Leu	Leu	Leu
1				5					10				15		
Leu	Pro	Ala	Leu	Leu	Ser	Ser	Gly	Trp	Gly	Glu	Leu	Glu	Pro	Gln	Ile
			20					25					30		
Asp	Gly	Gln	Thr	Trp	Ala	Glu	Arg	Ala	Leu	Arg	Glu	Asn	Glu	Arg	His
		35					40					45			
Ala	Phe	Thr	Cys	Arg	Val	Ala	Gly	Gly	Pro	Gly	Thr	Pro	Arg	Leu	Ala
	50					55					60				
Trp	Tyr	Leu	Asp	Gly	Gln	Leu	Gln	Glu	Ala	Ser	Thr	Ser	Arg	Leu	Leu
65					70					75					80
Ser	Val	Gly	Gly	Glu	Ala	Phe	Ser	Gly	Gly	Thr	Ser	Thr	Phe	Thr	Val
			85						90					95	
Thr	Ala	His	Arg	Ala	Gln	His	Glu	Leu	Asn	Cys	Ser	Leu	Gln	Asp	Pro
			100					105					110		
Arg	Ser	Gly	Arg	Ser	Ala	Asn	Ala	Ser	Val	Ile	Leu	Asn	Val	Gln	Phe
		115					120					125			
Lys	Pro	Glu	Ile	Ala	Gln	Val	Gly	Ala	Lys	Tyr	Gln	Glu	Ala	Gln	Gly
	130					135					140				
Pro	Gly	Leu	Leu	Val	Val	Leu	Phe	Ala	Leu	Val	Arg	Ala	Asn	Pro	Pro
145					150					155					160
Ala	Asn	Val	Thr	Trp	Ile	Asp	Gln	Asp	Gly	Pro	Val	Thr	Val	Asn	Thr
			165						170					175	
Ser	Asp	Phe	Leu	Val	Leu	Asp	Ala	Gln	Asn	Tyr	Pro	Trp	Leu	Thr	Asn
		180						185					190		
His	Thr	Val	Gln	Leu	Gln	Leu	Arg	Ser	Leu	Ala	His	Asn	Leu	Ser	Val
		195					200					205			
Val	Ala	Thr	Asn	Asp	Val	Gly	Val	Thr	Ser	Ala	Ser	Leu	Pro	Ala	Pro
	210					215					220				
Gly	Pro	Ser	Arg	His	Pro	Ser	Leu	Ile	Ser	Ser	Asp	Ser	Asn	Asn	Leu
225					230					235					240

Cys Cys

<210> 151
<211> 26
<212> PRT
<213> Homo sapiens

<400> 151
Gly Cys Phe Lys Ile Val Leu Phe Phe Lys Leu Val Ile Phe Ala Lys
1 5 10 15
Leu Phe Val Phe Val Val Ser Ile Asn Met
20 25

<210> 152
<211> 18
<212> PRT
<213> Homo sapiens

<400> 152
Thr Lys Ser Ser Asp Phe Gly Gly Gly Cys Arg Asn Ala Ser Ser Ser
1 5 10 15

Cys Cys

<210> 153
<211> 143
<212> PRT
<213> Homo sapiens

<400> 153
Met Val Cys Gly Trp Ile Ile Tyr Gly Ser Phe Ile Tyr Leu Ser Ser
1 5 10 15
His Cys Ala Thr Thr Phe Lys Glu Asp Gly Leu Trp Thr Tyr Leu Asn
20 25 30
Gln Ile Val Ala Cys Ser Pro Trp Val Leu Tyr Ile Leu Met Leu Ala
35 40 45
Thr Phe His Phe Ser Trp Ser Thr Phe Leu Leu Leu Asn Gln Leu Phe
50 55 60
Gln Ile Ala Phe Leu Gly Leu Thr Ser His Glu Arg Ile Ser Leu Gln
65 70 75 80
Lys Gln Ser Lys His Met Lys Gln Thr Leu Ser Leu Arg Lys Thr Pro
85 90 95

Tyr	Asn	Leu	Gly	Phe	Met	Gln	Asn	Leu	Ala	Asp	Phe	Phe	Gln	Cys	Gly
			100					105					110		
Cys	Phe	Gly	Leu	Val	Lys	Pro	Cys	Val	Val	Asp	Trp	Thr	Ser	Gln	Tyr
		115					120					125			
Thr	Met	Val	Phe	His	Pro	Ala	Arg	Glu	Lys	Val	Leu	Arg	Ser	Val	
	130					135					140				

<210> 154
 <211> 101
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (91)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (93)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (99)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 154															
Trp	Glu	Ser	Leu	Gly	Leu	Met	Phe	Leu	Cys	Gly	Pro	His	Leu	Thr	Arg
1				5					10					15	
Leu	Leu	Leu	Phe	Leu	Phe	Thr	Leu	Gly	Phe	Cys	Ala	Phe	Ile	Asn	Ile
			20					25					30		
Val	Leu	Ser	Phe	Pro	Leu	Val	Cys	Ile	Pro	Phe	Cys	Leu	Gly	Arg	Leu
		35					40					45			
Tyr	Phe	Leu	Leu	Leu	Thr	Glu	Lys	Pro	His	Gln	Glu	Ala	Cys	Pro	Gly
	50					55					60				
Asp	Glu	Leu	Gly	Thr	Gly	His	Leu	His	Ile	Gly	Leu	Gly	Ala	Val	Arg
65					70					75				80	
Leu	Gln	Gly	Pro	Asp	Asn	Met	Arg	Asn	Glu	Xaa	Ser	Xaa	Ile	Val	Val
				85					90					95	
Gly	Asp	Xaa	Gly	Leu											
			100												

<210> 155

<211> 35
<212> PRT
<213> Homo sapiens

<400> 155
Met Leu Asn Asp Gly Lys Val Trp Val Ser Cys Phe Cys Val Val Leu
1 5 10 15
Thr Ser Leu Asp Phe Cys Ser Phe Cys Ser Leu Trp Ala Ser Val Leu
20 25 30
Ser Leu Ile
35

<210> 156
<211> 114
<212> PRT
<213> Homo sapiens

<400> 156
Gly Pro Arg Arg Leu Ser Gly Thr His Ser Arg Gly Ser Ser Pro Asp
1 5 10 15
Pro Cys Ser Cys Val Val Trp Ala Ser Ala Asn Ser Trp Ala Thr Cys
20 25 30
Val Tyr Leu Glu Pro Gly Ser Pro Leu Ser Ser Phe Pro Cys Ala Tyr
35 40 45
Ser Gly Thr Cys Leu Val Arg Val Trp Gln Glu Asn Gly Ala Phe Asn
50 55 60
Asn Leu Pro Ser Phe Ile Pro Trp Ser Leu Leu His Ala Arg Thr Cys
65 70 75 80
Ala His Leu Phe Gly Ala Leu Ser His Leu Ile Asp Ser Arg Pro Gly
85 90 95
Ala Val Leu Thr Pro Val Ile Pro Ala Leu Trp Glu Asp Glu Ala Gly
100 105 110
Gly Ser

<210> 157
<211> 26
<212> PRT
<213> Homo sapiens

<400> 157
Met Cys Val Ser Pro Val Ser Val Cys Pro Phe Leu Pro Ser Leu His
1 5 10 15

Phe Ile Asn Asn Trp Cys Asn Val Ser Ser
20 25

<210> 158
<211> 106
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 158
Gly Ser Asp Gly Pro Arg Glu Arg Ala Pro Val Ala Trp Leu Ser His
1 5 10 15

Ser Ile Leu Ser Leu Ile Leu Asn Lys Tyr Phe Leu Trp Gly Phe Phe
20 25 30

Phe Phe Leu Xaa Ala Val Val Cys Phe Lys Leu Thr Thr Trp Lys Lys
35 40 45

His Leu Gly Tyr Leu Trp Phe Ser Cys Leu Val Pro Ala Ser Thr Pro
50 55 60

Thr Pro Phe Glu Ser Gly Asp Ser Phe Phe Cys Val Glu Thr Arg Trp
65 70 75 80

Pro Arg Gln Glu Val Lys Ala Ala Ile Arg Lys Ala Leu Gly Thr Leu
85 90 95

Val Pro Val Ala Arg Leu Gln Val Thr Ser
100 105

<210> 159
<211> 201
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 159
Leu Ser Ser Leu Leu Pro Gln Arg Leu Xaa Glu Pro Ser Ser Ser Ser
1 5 10 15

Pro Gly Xaa Arg Thr Trp Gln Leu Ser Gln Lys Ser Arg Gly Pro Ser
20 25 30

Arg Ala Ser Ser Met Ser Val Leu Asn Ser Leu Arg Ser Ser Ser Trp
35 40 45

Trp Pro Arg Leu His Thr His Thr Ser Met Pro Glu Ser Pro Val Lys
50 55 60

Arg Arg Cys Leu Pro Gly Val Phe Ser Leu Leu Ser Gly Ala Pro Cys
65 70 75 80

Ser Glu Leu Ser Ser Phe Ser Ser Ser Ser Leu His Ser Ala Ser Leu
85 90 95

Ser Arg Lys Ala Pro Gly Ser Ser Ser Pro Arg Pro Ala Thr Glu Pro
100 105 110

Leu Gly Ser Ile Pro Gly Ala Leu Val Ala Ala Arg Ser Thr Gly Arg
115 120 125

Ser Glu Gly Ser Gly Ser Ala Met Leu Gly Gly Leu Val Leu Leu Leu
130 135 140

Leu Gly Ser Asp Lys Gly Leu Leu Cys Ala Pro Trp Asp Pro Leu Val
145 150 155 160

Gly Ser Met Pro Gly Gly Leu Pro Pro Ala Gly Pro His Cys Gly Gly
165 170 175

Ser Ser Cys Cys Cys Cys Ser Trp Lys Ala Leu Tyr Gly Gly Gly Gly
180 185 190

Val Gly Gly Arg Phe Thr Thr Ser Ser
195 200

<210> 160

<211> 52

<212> PRT

<213> Homo sapiens

<400> 160

Met Ala Leu Leu Leu Leu Gln Ala Leu Pro Ser Pro Leu Ser Ala Arg
1 5 10 15

Ala Glu Pro Pro Gln Asp Lys Glu Ala Cys Val Gly Thr Asn Asn Gln
20 25 30

Ser Tyr Ile Cys Asp Thr Gly His Cys Cys Gly Gln Ser Gln Cys Cys
35 40 45

Lys Leu Leu Leu
50

<210> 161
 <211> 118
 <212> PRT
 <213> Homo sapiens

<400> 161
 Leu Leu Leu Leu Gln Ala Leu Pro Ser Pro Leu Ser Ala Arg Ala Glu
 1 5 10 15
 Pro Pro Gln Asp Lys Glu Ala Cys Val Gly Thr Asn Asn Gln Ser Tyr
 20 25 30
 Ile Cys Asp Thr Gly His Cys Cys Gly Gln Ser Gln Cys Cys Asn Tyr
 35 40 45
 Tyr Tyr Glu Leu Trp Trp Phe Trp Leu Val Trp Thr Ile Ile Ile Ile
 50 55 60
 Leu Ser Cys Cys Cys Val Cys His His Arg Arg Ala Lys His Arg Leu
 65 70 75 80
 Gln Ala Gln Gln Arg Gln His Glu Ile Asn Leu Ile Ala Tyr Arg Glu
 85 90 95
 Ala His Asn Tyr Ser Ala Leu Pro Phe Tyr Phe Arg Phe Leu Pro Asn
 100 105 110
 Tyr Leu Leu Pro Pro Leu
 115

<210> 162
 <211> 363
 <212> PRT
 <213> Homo sapiens

<400> 162
 Met Glu Arg Arg Arg Leu Leu Gly Gly Met Ala Leu Leu Leu Leu Gln
 1 5 10 15
 Ala Leu Pro Ser Pro Leu Ser Ala Arg Ala Glu Pro Pro Gln Asp Lys
 20 25 30
 Glu Ala Cys Val Gly Thr Asn Asn Gln Ser Tyr Ile Cys Asp Thr Gly
 35 40 45
 His Cys Cys Gly Gln Ser Gln Cys Cys Asn Tyr Tyr Tyr Glu Leu Trp
 50 55 60
 Trp Phe Trp Leu Val Trp Thr Ile Ile Ile Ile Leu Ser Cys Cys Cys
 65 70 75 80
 Val Cys His His Arg Arg Ala Lys His Arg Leu Gln Ala Gln Gln Arg
 85 90 95

Gln	His	Glu	Ile	Asn	Leu	Ile	Ala	Tyr	Arg	Glu	Ala	His	Asn	Tyr	Ser	100	105	110
Ala	Leu	Pro	Phe	Tyr	Phe	Arg	Phe	Leu	Pro	Asn	Tyr	Leu	Leu	Pro	Pro	115	120	125
Tyr	Glu	Glu	Val	Val	Asn	Arg	Pro	Pro	Thr	Pro	Pro	Pro	Pro	Tyr	Ser	130	135	140
Ala	Phe	Gln	Leu	Gln	Gln	Gln	Gln	Leu	Leu	Pro	Pro	Gln	Cys	Gly	Pro	145	150	155
Ala	Gly	Gly	Ser	Pro	Pro	Gly	Ile	Asp	Pro	Thr	Arg	Gly	Ser	Gln	Gly	165	170	175
Ala	Gln	Ser	Ser	Pro	Leu	Ser	Glu	Pro	Ser	Arg	Ser	Ser	Thr	Arg	Pro	180	185	190
Pro	Ser	Ile	Ala	Asp	Pro	Asp	Pro	Ser	Asp	Leu	Pro	Val	Asp	Arg	Ala	195	200	205
Ala	Thr	Lys	Ala	Pro	Gly	Met	Glu	Pro	Ser	Gly	Ser	Val	Ala	Gly	Leu	210	215	220
Gly	Glu	Leu	Asp	Pro	Gly	Ala	Phe	Leu	Asp	Lys	Asp	Ala	Glu	Cys	Arg	225	230	235
Glu	Glu	Leu	Leu	Lys	Asp	Asp	Ser	Ser	Glu	His	Gly	Ala	Pro	Asp	Ser	245	250	255
Lys	Glu	Lys	Thr	Pro	Gly	Arg	His	Arg	Arg	Phe	Thr	Gly	Asp	Ser	Gly	260	265	270
Ile	Glu	Val	Cys	Val	Cys	Asn	Arg	Gly	His	His	Asp	Asp	Asp	Leu	Lys	275	280	285
Glu	Val	Asn	Thr	Leu	Ile	Asp	Asp	Ala	Leu	Asp	Gly	Pro	Leu	Asp	Phe	290	295	300
Cys	Asp	Ser	Cys	His	Val	Arg	Pro	Pro	Gly	Asp	Glu	Glu	Glu	Gly	Leu	305	310	315
Cys	Gln	Pro	Ser	Glu	Glu	Gln	Ala	Arg	Glu	Pro	Gly	His	Pro	His	Leu	325	330	335
Pro	Arg	Pro	Pro	Ala	Cys	Leu	Leu	Leu	Asn	Thr	Ile	Asn	Glu	Gln	Asp	340	345	350
Ser	Pro	Asn	Ser	Gln	Ser	Asn	Ser	Ser	Pro	Ser						355	360	

<210> 163

<211> 199

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 163

Gln Xaa Lys Pro Pro Xaa Pro Ala Ala Pro Ala Ala Pro Xaa Ala Pro
1 5 10 15

Ala Pro Leu Glu Lys Pro Ile Arg Ser His Glu Ala Thr Gly Gly Gly
20 25 30

Glu Xaa Ala Cys Gly Val Thr Gly Ala Ser Thr Pro Glu Gly Thr Ala
35 40 45

Pro Pro Xaa Pro Ala Ala Pro Ala Pro Pro Lys Gly Glu Lys Glu Gly
50 55 60

Gln Arg Pro Thr Gln Pro Val Tyr Gln Ile Gln Asn Arg Gly Met Gly
65 70 75 80

Thr Ala Ala Pro Ala Ala Met Asp Arg Glu Leu Gly Leu Gly Ser Thr
85 90 95

Arg Leu Gly Thr Gly Val Ser Ser Gln Ile Leu Thr Ala Ser Ser Val
100 105 110

Ser Cys Phe Leu Gln Ser Pro Ala Val Val Gly Gln Ala Lys Leu Leu
115 120 125

Pro Pro Glu Arg Met Lys His Ser Ile Lys Leu Val Asp Asp Gln Met
130 135 140

Asn Trp Cys Asp Ser Ala Ile Glu Val Pro Arg Gly Pro Ala Leu Pro
145 150 155 160

Glu Leu Pro His Ile Leu His Pro Leu Ile Phe His Leu Ser Val Gly
165 170 175

Asn Thr Arg Leu Glu Gly Phe Glu Ala Thr Tyr Ser Ser Glu Arg Gly
180 185 190

Trp Tyr Gln Asn Ile Leu Thr
195

<210> 164
<211> 21
<212> PRT
<213> Homo sapiens

<400> 164
Met Lys Asn Ser Phe Phe Thr Val Ser Trp Ala Leu Thr Cys Ser Phe
1 5 10 15

Ser Trp Ala Thr Val
20

<210> 165
<211> 21
<212> PRT
<213> Homo sapiens

<400> 165
Met Lys Asn Ser Phe Phe Thr Val Ser Trp Ala Leu Thr Cys Ser Phe
1 5 10 15

Ser Trp Ala Thr Val
20

<210> 166
<211> 39
<212> PRT
<213> Homo sapiens

<400> 166
Met Pro Leu Phe Arg Thr Phe Lys Gln Leu Gly Leu Phe Leu Phe Leu
1 5 10 15

Ile Ile Pro Ile Ile Cys Ser Ser Leu Pro Pro Leu Gly Pro Val Gln
20 25 30

Ser Phe Leu Gly Cys Leu Tyr
35

<210> 167
<211> 50
<212> PRT
<213> Homo sapiens

<400> 167
Met Leu Leu Leu Val Val Thr Leu Val Asn Leu Ser Ile Tyr Lys Leu
1 5 10 15
Ile Lys Leu Val Thr Ala Leu Ser Lys Lys Leu Gly Ala Lys Gly Val
20 25 30
Leu Lys Asn Ala His Phe Met Arg Cys Asn Cys Gly Glu Met Arg Thr
35 40 45
Arg Ser
50

<210> 168
<211> 2
<212> PRT
<213> Homo sapiens

<400> 168
Leu Leu
1

<210> 169
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 169
Trp Tyr Gln Gly Lys Xaa Asp Leu Lys Gly Leu Gly Xaa Val Leu Asp
1 5 10 15
Gly Ser Asp Gly Met Ala Gly Gly Ile Pro Glu Gly Met Ala Phe Thr
20 25 30

Leu Tyr Leu Gly Ile Trp Leu Ser Ser Pro Phe Pro Asp Cys Cys Ile
35 40 45

Ala Phe Xaa Phe Ala Tyr Ser Ser Ser Pro Leu Ser Ser Gly Asp Thr
50 55 60

Phe Gln Gly Pro Gln
65

<210> 170
<211> 135
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (129)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 170
Ala Lys Met Pro Trp Thr Cys Ser Val Ser Asp Pro Thr Ser Cys Asp
1 5 10 15

Ser Gln Ala Gln Lys Met Pro Gly Val Arg Ala Ser Arg Gln Pro Gly
20 25 30

Xaa Gly Arg Gln Cys Leu Leu Leu Leu His Gln Val Gln Gly Ile Trp
35 40 45

Leu Lys Ala Cys Ile Phe Pro Gly His Lys Leu Pro Glu Pro Leu Lys
50 55 60

Trp Glu Ala Arg Gln Phe Gln Thr Asn Leu Phe Ser Thr His His Ser
65 70 75 80

Thr Phe Lys Val Cys Leu Leu Leu Leu Pro Val His Pro Pro Ser Leu
85 90 95

Gln Phe Phe His Ser Leu Thr Ser Glu Arg Val Pro Gly Gly Ser Met
100 105 110

Val Asn Lys Leu Thr Cys Met Leu Gln Lys Lys Lys Lys Lys Ile
115 120 125

Xaa Ala Val Arg Lys Gly Ile
130 135

<210> 171
<211> 50
<212> PRT
<213> Homo sapiens

<400> 171
Met Leu Leu Leu Val Val Thr Leu Val Asn Leu Ser Ile Tyr Lys Leu
1 5 10 15
Ile Lys Leu Val Thr Ala Leu Ser Lys Lys Leu Gly Ala Lys Gly Val
20 25 30
Leu Lys Asn Ala His Phe Met Arg Cys Asn Cys Gly Glu Met Arg Thr
35 40 45
Arg Ser
50

<210> 172
<211> 77
<212> PRT
<213> Homo sapiens

<400> 172
Met Ala Thr Thr Gly Thr Lys Pro Thr Ser Cys Trp Cys Trp Phe Leu
1 5 10 15
Leu Ala Met Cys Trp Phe Val Gln Leu Arg Thr Glu Trp Glu Arg Ala
20 25 30
Phe Leu Phe Val Pro Ile Ala Arg Glu Pro Gly Arg Leu Cys Arg Phe
35 40 45
Ser Gly Asn Lys Gln Leu Asn Gly Leu Ala Val Ala Leu Gln Ala Phe
50 55 60
Arg Phe Ala Lys Asn Lys Thr Ser Gln Lys Arg Cys Ala
65 70 75

<210> 173
<211> 77
<212> PRT
<213> Homo sapiens

<400> 173
Met Ala Thr Thr Gly Thr Lys Pro Thr Ser Cys Trp Cys Trp Phe Leu
1 5 10 15
Leu Ala Met Cys Trp Phe Val Gln Leu Arg Thr Glu Trp Glu Arg Ala
20 25 30
Phe Leu Phe Val Pro Ile Ala Arg Glu Pro Gly Arg Leu Cys Arg Phe
35 40 45

Ser Gly Asn Lys Gln Leu Asn Gly Leu Ala Val Ala Leu Gln Ala Phe
50 55 60

Arg Phe Ala Lys Asn Lys Thr Ser Gln Lys Arg Cys Ala
65 70 75

<210> 174
<211> 56
<212> PRT
<213> Homo sapiens

<400> 174
Cys Asp Val Lys Pro Ala Asp Val Lys Asp Ile Gly Gly Thr Val Glu
1 5 10 15

Ala Ser Cys Met Asn Phe Ser Trp Pro Ala Pro Thr Ala Gln Val His
20 25 30

Thr Arg Lys Arg Arg Val Trp Ala Cys Leu Arg Val Asp Val Ser Ser
35 40 45

Glu Val Arg Pro Gly Lys Ala Leu
50 55

<210> 175
<211> 68
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 175
Met Ala Gln Ser Arg Val Leu Leu Leu Leu Leu Leu Pro Pro Gln
1 5 10 15

Leu Ala Pro Gly Thr Cys Ala Cys Arg Glu Gly Pro Arg Ile Trp Pro
20 25 30

Asn Gly Gly His Ser Leu Ser Pro Glu Glu Asn Xaa Leu Arg Lys Lys
35 40 45

Ser Arg Leu Leu Leu Ile Glu Ala Xaa Lys Lys Pro Gly Ala Trp Ala
50 55 60

Gln Ala Ala Val
65

<210> 176
<211> 85
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 176
Met Ala Gln Ser Arg Val Leu Leu Leu Leu Leu Leu Leu Pro Pro Gln
1 5 10 15

Leu His Leu Gly Pro Val Leu Ala Val Xaa Ala Pro Gly Phe Gly Arg
20 25 30

Ser Gly Gly His Ser Leu Ser Pro Glu Glu Asn Glu Phe Ala Glu Glu
35 40 45

Glu Pro Val Leu Val Leu Ser Pro Glu Glu Pro Gly Pro Gly Pro Ala
50 55 60

Ala Val Ser Cys Pro Arg Asp Cys Ala Cys Ser Gln Glu Gly Val Val
65 70 75 80

Asp Cys Gly Gly Tyr
85

<210> 177
<211> 14
<212> PRT
<213> Homo sapiens

<400> 177
Met Ile Tyr Gln Ile Tyr Gly Ile Ile Cys Ser Leu Phe Pro
1 5 10

<210> 178
<211> 31
<212> PRT
<213> Homo sapiens

<400> 178
Gly Pro Phe Cys Asp Val Thr Thr Leu His Leu Pro Gly Leu Leu Cys
1 5 10 15

Thr Gln Cys Ser Leu Asp Pro Val Asp Leu Tyr Leu Trp Arg Ser

20

25

30

<210> 179
<211> 14
<212> PRT
<213> Homo sapiens

<400> 179
Met Ile Tyr Gln Ile Tyr Gly Ile Ile Cys Ser Leu Phe Pro
1 5 10

<210> 180
<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 180
Thr Met Gly Pro Gly Asp Arg His Arg Leu Pro Val Tyr Leu Gly His
1 5 10 15

Cys Leu Gly Cys Leu Glu Ser Gly Leu Leu Ala Gln Ile Leu Pro Leu
20 25 30

Leu Gly Gln Gly Arg Pro Phe Met Asp Ser Leu Ile Arg Val Ala Ala
35 40 45

Glu Arg Arg Ala Gly Gln Val Leu Lys Gly Thr Leu Lys Arg Phe Ser
50 55 60

Glu Arg Gln Gly Arg Arg Xaa
65 70

<210> 181
<211> 204
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 181

Xaa Pro Ser Leu Xaa Gly Thr Xaa Ala Gly Gly Ser Thr Ala Val Ala
1 5 10 15

Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg
20 25 30

Ala Ala Ala Glu Leu Ser Leu Leu Glu Lys Ser Leu Gly Leu Ser Lys
35 40 45

Gly Asn Lys Tyr Ser Ala Gln Gly Glu Arg Gln Ile Pro Val Leu Gln
50 55 60

Thr Asn Asn Gly Pro Ser Leu Thr Gly Leu Thr Thr Ile Ala Ala His
65 70 75 80

Leu Val Lys Gln Ala Asn Lys Glu Tyr Leu Leu Gly Ser Thr Ala Glu
85 90 95

Glu Lys Ala Ile Val Gln Gln Trp Leu Glu Tyr Arg Val Thr Gln Val
100 105 110

Asp Gly His Ser Ser Lys Asn Asp Ile His Thr Leu Leu Lys Asp Leu
115 120 125

Asn Ser Tyr Leu Glu Asp Lys Val Tyr Leu Thr Gly Tyr Asn Phe Thr
130 135 140

Leu Ala Asp Ile Leu Leu Tyr Tyr Gly Leu His Arg Phe Ile Val Asp
145 150 155 160

Leu Thr Val Gln Glu Lys Glu Lys Tyr Leu Asn Val Ser Arg Trp Phe
165 170 175

Cys His Ile Gln His Tyr Pro Gly Ile Arg Gln His Leu Ser Ser Val
180 185 190

Val Phe Ile Lys Asn Arg Leu Tyr Thr Asn Ser His
195 200

<210> 182

<211> 54

<212> PRT

<213> Homo sapiens

<400> 182

Met Thr Ser Pro Leu Ala Arg Leu Leu Leu Pro Phe Trp Cys His Thr
1 5 10 15

Leu Gly Thr Met Ala Leu Gly Thr Pro Asn Pro Gly Ala Met Ala Trp
20 25 30

Gly Ala Val Gly Glu Pro Asn Pro Gly Ala Trp Thr Val Pro Leu Gly
35 40 45

Ala Phe Leu Ala Gly Arg
50

<210> 183
<211> 54
<212> PRT
<213> Homo sapiens

<400> 183
Met Thr Ser Pro Leu Ala Arg Leu Leu Leu Pro Phe Trp Cys His Thr
1 5 10 15

Leu Gly Thr Met Ala Leu Gly Thr Pro Asn Pro Gly Ala Met Ala Trp
20 25 30

Gly Ala Val Gly Glu Pro Asn Pro Gly Ala Trp Thr Val Pro Leu Gly
35 40 45

Ala Phe Leu Ala Gly Arg
50

<210> 184
<211> 1
<212> PRT
<213> Homo sapiens

<400> 184
Ser
1

<210> 185
<211> 3
<212> PRT
<213> Homo sapiens

<400> 185
Leu Leu Cys
1

<210> 186
<211> 1
<212> PRT
<213> Homo sapiens

<400> 186

Ser

1

<210> 187

<211> 5

<212> PRT

<213> Homo sapiens

<400> 187

Ala Gly Thr Trp Ser

1

5

<210> 188

<211> 45

<212> PRT

<213> Homo sapiens

<400> 188

Met Ala Gly Val Trp Asn Thr Ile Ala Leu Trp Phe Leu Ser Val Phe

1

5

10

15

Gly Val Ile Ser Ala Pro Thr Thr Gly Thr Ser Pro Thr Ser Cys Arg

20

25

30

Cys Val Gly Pro Arg Pro Pro Gly Cys Gly Pro Ala Gly

35

40

45

<210> 189

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 189

Leu Ile Asn Val Thr Asn Val Gly Ile Ile Leu Ala Val Ser Gln Pro

1

5

10

15

Leu Asp Asp Ile Xaa Glu Phe Ile Ile Glu Lys Arg Ser Asp Tyr Asn

20

25

30

Lys Tyr Arg Lys Glu Asn Met Trp Leu Pro Leu Asn Pro Tyr

35

40

45

<210> 190
<211> 304
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (187)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 190
Met Leu Gln Phe Gln Arg Thr Trp Lys Tyr Lys Gly Glu Phe Xaa Leu
1 5 10 15
His Gln Gly Asn Ala Glu Arg His Phe Met Gln Val Thr Xaa Val Xaa
20 25 30
Glu Ile Ser Thr Gly Lys Arg Asp Asn Glu Phe Ser Asn Ser Gly Arg
35 40 45
Ser Ile Pro Leu Lys Ser Val Phe Leu Thr Gln Gln Lys Val Pro Thr
50 55 60
Ile Gln Gln Val His Lys Phe Asp Ile Tyr Asp Lys Leu Phe Pro Gln
65 70 75 80
Asn Ser Val Ile Ile Glu Tyr Lys Arg Leu His Ala Glu Lys Glu Ser
85 90 95
Leu Ile Gly Asn Glu Cys Glu Glu Phe Asn Gln Ser Thr Tyr Leu Ser
100 105 110
Lys Asp Ile Gly Ile Pro Pro Gly Glu Lys Pro Tyr Glu Ser His Asp
115 120 125
Phe Ser Lys Leu Leu Ser Phe His Ser Leu Phe Thr Gln His Gln Thr
130 135 140
Thr His Phe Gly Lys Leu Pro His Gly Tyr Asp Glu Cys Gly Asp Ala
145 150 155 160
Phe Ser Cys Tyr Ser Phe Phe Thr Gln Pro Gln Arg Ile His Ser Gly

Tyr Glu Cys Lys Glu Cys Asn Lys Ala Phe Arg Gln Ser Ala His Leu
 115 120 125
 Asn Gln His Gln Arg Ile His Thr Gly Glu Lys Pro Tyr Glu Cys Asn
 130 135 140
 Gln Cys Gly Lys Ala Phe Ser Arg Arg Ile Ala Leu Thr Leu His Gln
 145 150 155 160
 Arg Ile His Thr Gly Glu Lys Pro Phe Lys Cys Ser Glu Cys Gly Lys
 165 170 175
 Thr Phe Gly Tyr Arg Ser His Leu Asn Gln His Gln Arg Ile His Thr
 180 185 190
 Gly Glu Lys Pro Tyr Glu Cys Ile Lys Cys Gly Lys Phe Phe Arg Thr
 195 200 205
 Asp Ser Gln Leu Asn Arg His His Arg Ile His Thr Gly Glu Arg Pro
 210 215 220
 Phe Glu Cys Ser Lys Cys Gly Lys Ala Phe Ser Asp Ala Leu Val Leu
 225 230 235 240
 Ile His His Lys Arg Ser His Ala Gly Glu Lys Pro Tyr Glu Cys Asn
 245 250 255
 Lys Cys Gly Lys Ala Phe Ser Cys Gly Ser Tyr Leu Asn Gln His Gln
 260 265 270
 Arg Ile His Thr Gly Glu Lys Pro Tyr Glu Cys Ser Glu Cys Gly Lys
 275 280 285
 Ala Phe His Gln Ile Leu Ser Leu Arg Leu His Gln Arg Ile His Ala
 290 295 300
 Gly Glu Lys Pro Tyr Lys Cys Asn Glu Cys Gly Asn Asn Phe Ser Cys
 305 310 315 320
 Val Ser Ala Leu Arg Arg His Gln Arg Ile His Asn Arg Glu Thr Leu
 325 330 335

<210> 192
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 192
 Leu Ala Ala Thr Arg Lys Phe Phe Leu Ser Ser His Ser Ser Ser Cys
 1 5 10 15

Lys Lys Gly Ala Met Ser Gln Lys Glu Ala Pro Phe His Arg Gln Arg
20 25 30

Leu His Arg Glu Arg Gly Asn Arg Arg Leu Gly Asn Gly Gly Glu Trp
35 40 45

Gly Arg Asn Trp Val Gln
50

<210> 193
<211> 27
<212> PRT
<213> Homo sapiens

<400> 193
Met His Gln Leu Phe Gly Leu Phe Val Thr Leu Met Phe Ala Ser Val
1 5 10 15

Gly Gly Gly Leu Gly Gly Ile Ile Leu Val Leu
20 25

<210> 194
<211> 106
<212> PRT
<213> Homo sapiens

<400> 194
Met Pro Gly Val Leu Gly Ala Leu Leu Gly Val Leu Val Ala Gly Leu
1 5 10 15

Ala Thr His Glu Ala Tyr Gly Asp Gly Leu Glu Ser Val Phe Pro Leu
20 25 30

Ile Ala Glu Gly Gln Arg Ser Ala Thr Ser Gln Ala Met His Gln Leu
35 40 45

Phe Gly Leu Phe Val Thr Leu Met Phe Ala Ser Val Gly Gly Gly Leu
50 55 60

Gly Gly Ile Ile Leu Val Leu Cys Leu Leu Asp Pro Cys Ala Leu Trp
65 70 75 80

His Trp Val Ala Pro Ser Ser Met Val Gly Gly Arg Glu Ala Ser Gln
85 90 95

Ile Leu Pro Tyr His His Gln Gly Ser Cys
100 105

<210> 195
<211> 60
<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 195

Asn Leu Xaa Cys Cys Glu Pro Leu Lys Gly Thr Glu Ile Val His Leu
1 5 10 15

Xaa Ser Ser Asp Phe Lys Ala Val Ala Cys Arg Cys Ser Gln Leu Asn
20 25 30

Lys Ala Leu Pro Ser Thr Thr Leu Arg Gly Phe Val Cys Gly Ser Ser
35 40 45

Cys Tyr Ile Ser Trp Phe Pro Asn Gln Glu Thr Arg
50 55 60

<210> 196

<211> 82

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 196

Pro Gly Asn Glu Val Thr Asp Gly Gln Pro Arg Gln Pro Leu Arg Arg
1 5 10 15

Leu Arg Leu Pro Cys Gly Ala Ser Leu Xaa Arg Xaa Pro Ala Ser Pro
20 25 30

Ser Asp Ala Ile Gln Arg Ala Leu Pro Gly Arg Lys Leu Pro Arg Trp
35 40 45

Asn Ala Ser Pro Glu Gln Arg Val Ala Val Pro Cys Gly Gly Leu Thr
50 55 60

Gln Trp Leu Asn Thr Gly Lys Glu Leu Ala Leu Gly Val Arg Thr Ser
65 70 75 80

Glu Thr

<210> 197

<211> 94

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 197

Arg Xaa Pro Ile Phe Ile Gly Glu Asn Phe Tyr Pro Pro Val Arg Gly
1 5 10 15

Arg Val Gly Met Ser Ala Cys Gln Gly Gly Gly Gly Gly Gly Gly Gly
20 25 30

Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
35 40 45

Gly Gly Gly Gly Val Asp Lys Leu Pro Cys Leu Thr Met Cys Trp Cys
50 55 60

Gly Asn Gly Ala Gln Pro Ala Arg Leu Lys Val Asp Gly Ile Pro Thr
65 70 75 80

Gly Gln Arg Lys Ser Tyr Ala Asp Thr Pro Ala Trp Pro Gly
85 90

<210> 198

<211> 257

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 198

Met Thr Ala Ala Val Phe Phe Gly Cys Ala Phe Ile Ala Phe Gly Pro
1 5 10 15

Ala Leu Ala Leu Tyr Val Phe Thr Ile Ala Xaa Glu Pro Leu Arg Ile
20 25 30

Ile Phe Leu Ile Ala Gly Ala Phe Phe Trp Leu Val Ser Leu Leu Ile
35 40 45

Ser Ser Leu Val Trp Phe Met Ala Arg Val Ile Ile Asp Asn Lys Asp
 50 55 60
 Gly Pro Thr Gln Lys Tyr Leu Leu Ile Phe Gly Ala Phe Val Ser Val
 65 70 75 80
 Tyr Ile Gln Glu Met Phe Arg Phe Ala Tyr Tyr Lys Leu Leu Lys Lys
 85 90 95
 Ala Ser Glu Gly Leu Lys Ser Ile Asn Pro Gly Glu Thr Ala Pro Ser
 100 105 110
 Met Arg Leu Leu Ala Tyr Val Ser Gly Leu Gly Phe Gly Ile Met Ser
 115 120 125
 Gly Val Phe Ser Phe Val Asn Thr Leu Ser Asp Ser Leu Gly Pro Gly
 130 135 140
 Thr Val Gly Ile His Gly Asp Ser Pro Gln Phe Phe Leu Tyr Ser Ala
 145 150 155 160
 Phe Met Thr Leu Val Ile Ile Leu Leu His Val Phe Trp Gly Ile Val
 165 170 175
 Phe Phe Asp Gly Cys Glu Lys Lys Lys Trp Gly Ile Leu Leu Ile Val
 180 185 190
 Leu Leu Thr His Leu Leu Val Ser Ala Gln Thr Phe Ile Ser Ser Tyr
 195 200 205
 Tyr Gly Ile Asn Leu Ala Ser Ala Phe Ile Ile Leu Val Leu Met Gly
 210 215 220
 Thr Trp Ala Phe Leu Ala Ala Gly Gly Ser Cys Arg Ser Leu Lys Leu
 225 230 235 240
 Cys Leu Leu Cys Gln Asp Lys Asn Phe Leu Leu Tyr Asn Gln Arg Ser
 245 250 255

Arg

<210> 199
 <211> 257
 <212> PRT
 <213> Homo sapiens

<400> 199
 Met Thr Ala Ala Val Phe Phe Gly Cys Ala Phe Ile Ala Phe Gly Pro
 1 5 10 15
 Ala Leu Ala Leu Tyr Val Phe Thr Ile Ala Ile Glu Pro Leu Arg Ile
 20 25 30
 Ile Phe Leu Ile Ala Gly Ala Phe Phe Trp Leu Val Ser Leu Leu Ile

35					40					45						
Ser	Ser	Leu	Val	Trp	Phe	Met	Ala	Arg	Val	Ile	Ile	Asp	Asn	Lys	Asp	
50					55					60						
Gly	Pro	Thr	Gln	Lys	Tyr	Leu	Leu	Ile	Phe	Gly	Ala	Phe	Val	Ser	Val	
65					70					75					80	
Tyr	Ile	Gln	Glu	Met	Phe	Arg	Phe	Ala	Tyr	Tyr	Lys	Leu	Leu	Lys	Lys	
85					90					95						
Ala	Ser	Glu	Gly	Leu	Lys	Ser	Ile	Asn	Pro	Gly	Glu	Thr	Ala	Pro	Ser	
100					105					110						
Met	Arg	Leu	Leu	Ala	Tyr	Val	Ser	Gly	Leu	Gly	Phe	Gly	Ile	Met	Ser	
115					120					125						
Gly	Val	Phe	Ser	Phe	Val	Asn	Thr	Leu	Ser	Asp	Ser	Leu	Gly	Pro	Gly	
130					135					140						
Thr	Val	Gly	Ile	His	Gly	Asp	Ser	Pro	Gln	Phe	Phe	Leu	Tyr	Ser	Ala	
145					150					155					160	
Phe	Met	Thr	Leu	Val	Ile	Ile	Leu	Leu	His	Val	Phe	Trp	Gly	Ile	Val	
165					170					175						
Phe	Phe	Asp	Gly	Cys	Glu	Lys	Lys	Lys	Trp	Gly	Ile	Leu	Leu	Ile	Val	
180					185					190						
Leu	Leu	Thr	His	Leu	Leu	Val	Ser	Ala	Gln	Thr	Phe	Ile	Ser	Ser	Tyr	
195					200					205						
Tyr	Gly	Ile	Asn	Leu	Ala	Ser	Ala	Phe	Ile	Ile	Leu	Val	Leu	Met	Gly	
210					215					220						
Thr	Trp	Ala	Phe	Leu	Ala	Ala	Gly	Gly	Ser	Cys	Arg	Ser	Leu	Lys	Leu	
225					230					235					240	
Cys	Leu	Leu	Cys	Gln	Asp	Lys	Asn	Phe	Leu	Leu	Tyr	Asn	Gln	Arg	Ser	
245					250					255						

Arg

<210> 200

<211> 36

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 200
Trp Arg His Leu Thr Val Ser Xaa Gly Leu Gln Xaa Arg Leu Ser Xaa
1 5 10 15
Arg Xaa Xaa Trp Glu Gly Xaa Pro Arg Ser Thr Thr Ala Ala Gly Trp
20 25 30
Gly Arg Thr Gly
35

<210> 201
<211> 21
<212> PRT
<213> Homo sapiens

<400> 201
His Leu Ser Leu Pro Arg Leu Leu Trp Thr Leu Gln Ile Pro Gln Cys
1 5 10 15
Pro Gln Leu Gln Asp
20

<210> 202
<211> 78
<212> PRT
<213> Homo sapiens

<400> 202
Asp Pro Gln Asn Ile Tyr Trp Glu His Leu Ser Ile Arg Gly Phe Ile

1	5	10	15
Trp Trp Leu Arg Cys Leu Val Ile Asn Val Val Leu Phe Ile Leu Leu	20	25	30
Phe Phe Leu Thr Thr Pro Ala Ile Ile Ile Thr Thr Met Asp Lys Phe	35	40	45
Asn Val Thr Lys Pro Val Glu Tyr Leu Asn Val Arg Pro His Ala Pro	50	55	60
Val Thr Phe His Ala Gly Ser Gln His Thr Asp Thr Arg Pro	65	70	75

<210> 203
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 203
Met His Lys Cys Tyr Thr Phe Leu Ile Phe Met Val Leu Leu Leu Pro
1 5 10 15
Ser Leu Gly Leu Ser Ser Leu Asp Leu Phe Phe Arg Trp Leu Phe Asp
20 25 30
Lys Lys Phe Leu Ala Glu Ala Ala Ile Arg Phe Glu Cys Val Phe Leu
35 40 45
Pro Asp Asn Gly Ala Phe Phe Val Asn Tyr Val Ile Ala Ser Ala Phe
50 55 60
Ile Gly Asn Ala Met Asp Leu Leu Arg Ile Pro Gly Leu Leu Met Tyr
65 70 75 80
Met Ile Arg Leu Cys Leu Ala Arg Ser Ala Ala Glu Arg Arg Asn Val
85 90 95
Lys Arg His Gln Ala Tyr Glu Phe Arg Phe Gly Ala Ala Tyr Ala Trp
100 105 110
Met Met Cys Val Phe Thr Val Val Met Thr Tyr Ser Ile Thr Cys Pro
115 120 125
Ile Ile Val Pro Phe Gly Leu Met Tyr Met Leu Leu Lys His Leu Val
130 135 140
Asp Arg Tyr Asn Leu Tyr Tyr Ala Tyr Leu Pro Ala Lys Leu Asp Lys
145 150 155 160
Lys Ile His Ser Gly Ala Val Asn Gln Val Val Ala Ala Pro Ile Leu
165 170 175
Cys Leu Phe Trp Leu Leu Phe Phe Ser Thr Met Arg Thr Gly Phe Leu
180 185 190

Ala	Pro	Thr	Ser	Met	Phe	Thr	Phe	Val	Val	Leu	Val	Ile	Thr	Ile	Val
	195						200					205			
Ile	Cys	Leu	Cys	His	Val	Cys	Phe	Gly	His	Phe	Lys	Tyr	Leu	Ser	Ala
	210					215					220				
His	Asn	Tyr	Lys	Ile	Glu	His	Thr	Glu	Thr	Asp	Thr	Val	Asp	Pro	Arg
225					230					235					240
Ser	Asn	Gly	Arg	Pro	Pro	Thr	Ala	Ala	Ala	Val	Pro	Lys	Ser	Ala	Lys
			245						250					255	
Tyr	Ile	Ala	Gln	Val	Leu	Gln	Asp	Ser	Glu	Val	Asp	Gly	Asp	Gly	Asp
		260					265					270			
Gly	Ala	Pro	Gly	Ser	Ser	Gly	Asp	Glu	Pro	Pro	Ser	Ser	Ser	Ser	Gln
	275						280					285			
Asp	Glu	Glu	Leu	Leu	Met	Pro	Pro	Asp	Ala	Leu	Thr	Asp	Thr	Asp	Phe
	290					295					300				
Gln	Ser	Cys	Glu	Asp	Ser	Leu	Ile	Glu	Asn	Glu	Ile	His	Gln		
305					310				315						

<210> 204
 <211> 65
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (9)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 204
 Val Val Val Glu Leu Ile Asn Arg Xaa Gln Asn Tyr Phe Gln Tyr Ile
 1 5 10 15
 Val Tyr Leu Tyr Xaa Lys Arg Asp Gly Pro Phe Tyr Gly Gly Thr Leu
 20 25 30
 Ser Met Val Val Phe Cys Asp Val Leu Phe Leu Leu Leu Leu Phe Ala
 35 40 45
 Leu Phe Ser Pro Ile Thr Ala Leu Leu Ser Leu Lys Arg Ile Asn Phe
 50 55 60

Ile
 65

<210> 205
<211> 50
<212> PRT
<213> Homo sapiens

<400> 205
Ala Gln Glu Leu Arg Pro Ala Trp Glu Thr Trp Gln Gly Pro Ile Ser
1 5 10 15
Thr Glu Thr Thr Glu Asn Trp Val Gly Met Val Ala Arg Val Pro Ala
20 25 30
Ala Gln Glu Ala Glu Val Gly Gly Ser Leu Glu Pro Arg Arg Leu Arg
35 40 45
Leu Gln
50

<210> 206
<211> 90
<212> PRT
<213> Homo sapiens

<400> 206
Asp Leu Thr Cys Leu Leu Ser Ser Asn Phe Ile Ile Gly Ile Asn Val
1 5 10 15
His Phe Phe Pro Val Pro Val Ser Glu Ala Phe Ile Cys Val Cys Met
20 25 30
Cys Val Leu Asn Lys Cys Ile Arg Tyr Leu Lys Asn Ser Asn Leu Asn
35 40 45
Leu Asn Asn Leu Lys Asn Glu Ile Val Ile Leu Cys Val Lys Val Ser
50 55 60
Asp Val Leu Tyr Ser Ala Leu Lys Thr Ile Phe Ile Tyr Ser Ser Thr
65 70 75 80
Asp Thr Lys Tyr Ile Leu Lys Leu Leu Ser
85 90

<210> 207
<211> 41
<212> PRT
<213> Homo sapiens

<400> 207
Met Ser Cys Leu Trp Ala Gly Ile Lys Phe Leu Gly Phe Gly Phe Cys
1 5 10 15

Trp Met Asp Cys Ser Leu Cys Glu Pro Ile Trp Val Cys Gln Ile Gln
20 25 30

Ser Leu Gly Cys His Gly Asn Leu Ala
35 40

<210> 208
<211> 103
<212> PRT
<213> Homo sapiens

<400> 208
Ser Leu Asp Thr Ala Leu Leu Ser Thr Leu Cys Ser Leu Ala Phe Thr
1 5 10 15

Ala Ala Ser Thr Ser Ser Thr Val Ala Tyr Val Thr Asn Pro Lys Pro
20 25 30

Leu Glu His Leu Val Phe Gly Ser Leu Ile Thr Thr Val Cys Glu Cys
35 40 45

Ser Leu Leu Leu Arg Met Ala His Trp Thr Leu Thr Gly His Phe Lys
50 55 60

Ala Gln Leu Ser Asp Glu Glu Leu Leu Gln Leu Leu Gly Leu Leu Lys
65 70 75 80

Arg Leu Cys Leu Arg His Asp Ser Ser Gly Lys Arg Asp Phe Asn Asp
85 90 95

Val Phe Ser Gly Ile His Gly
100

<210> 209
<211> 49
<212> PRT
<213> Homo sapiens

<400> 209
Met Arg Gln Thr Lys Leu Glu Gly Trp Leu Ile Phe Pro Leu Phe Ser
1 5 10 15

Cys Phe Ser Phe Ile Ser Leu Gly Ser Asp Glu Gly Pro Glu Ile Phe
20 25 30

Ile Ser His Leu Lys Ser Leu Ala Asp Tyr Ser Arg Ala Leu Val Glu
35 40 45

Val

<210> 210
<211> 49
<212> PRT
<213> Homo sapiens

<400> 210
Met Arg Gln Thr Lys Leu Glu Gly Trp Leu Ile Phe Pro Leu Phe Ser
1 5 10 15
Cys Phe Ser Phe Ile Ser Leu Gly Ser Asp Glu Gly Pro Glu Ile Phe
20 25 30
Ile Ser His Leu Lys Ser Leu Ala Asp Tyr Ser Arg Ala Leu Val Glu
35 40 45
Val

<210> 211
<211> 489
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (321)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 211
Met Pro Gln Ala Ser Glu His Arg Leu Gly Arg Thr Arg Glu Pro Pro
1 5 10 15
Val Asn Ile Gln Pro Arg Val Gly Ser Lys Leu Pro Phe Ala Pro Arg
20 25 30
Ala Arg Ser Lys Glu Arg Arg Asn Pro Ala Ser Gly Pro Asn Pro Met
35 40 45
Leu Arg Pro Leu Pro Pro Arg Pro Gly Leu Pro Asp Glu Arg Leu Lys
50 55 60
Lys Leu Glu Leu Gly Arg Gly Arg Thr Ser Gly Pro Arg Pro Xaa Gly
65 70 75 80
Pro Leu Arg Ala Asp His Gly Val Pro Leu Pro Gly Ser Pro Pro Pro
85 90 95
Thr Val Ala Leu Pro Leu Pro Ser Arg Thr Asn Leu Ala Arg Ser Lys
100 105 110

Ser	Val	Ser	Ser	Gly	Asp	Leu	Arg	Pro	Met	Gly	Ile	Ala	Leu	Gly	Gly	115	120	125
His	Arg	Gly	Thr	Gly	Glu	Leu	Gly	Ala	Ala	Leu	Ser	Arg	Leu	Ala	Leu	130	135	140
Arg	Pro	Glu	Pro	Pro	Thr	Leu	Arg	Arg	Ser	Thr	Ser	Leu	Arg	Arg	Leu	145	150	155
Gly	Gly	Phe	Pro	Gly	Pro	Pro	Thr	Leu	Phe	Ser	Ile	Arg	Thr	Glu	Pro	165	170	175
Pro	Ala	Ser	His	Gly	Ser	Phe	His	Met	Ile	Ser	Ala	Arg	Ser	Ser	Glu	180	185	190
Pro	Phe	Tyr	Ser	Asp	Asp	Lys	Met	Ala	His	His	Thr	Leu	Leu	Leu	Gly	195	200	205
Ser	Gly	His	Val	Gly	Leu	Arg	Asn	Leu	Gly	Asn	Thr	Cys	Phe	Leu	Asn	210	215	220
Ala	Val	Leu	Gln	Cys	Leu	Ser	Ser	Thr	Arg	Pro	Leu	Arg	Asp	Phe	Cys	225	230	235
Leu	Arg	Arg	Asp	Phe	Arg	Gln	Glu	Val	Pro	Gly	Gly	Gly	Arg	Ala	Gln	245	250	255
Glu	Leu	Thr	Glu	Ala	Phe	Ala	Asp	Val	Ile	Gly	Ala	Leu	Trp	His	Pro	260	265	270
Asp	Ser	Cys	Glu	Ala	Val	Asn	Pro	Thr	Arg	Phe	Arg	Ala	Val	Phe	Gln	275	280	285
Lys	Tyr	Val	Pro	Ser	Phe	Ser	Gly	Tyr	Ser	Gln	Gln	Asp	Ala	Gln	Glu	290	295	300
Phe	Leu	Lys	Leu	Leu	Met	Glu	Arg	Leu	His	Leu	Glu	Ile	Asn	Arg	Arg	305	310	315
Xaa	Arg	Arg	Ala	Pro	Pro	Ile	Leu	Ala	Asn	Gly	Pro	Val	Pro	Ser	Pro	325	330	335
Pro	Arg	Arg	Gly	Gly	Ala	Leu	Leu	Glu	Glu	Pro	Glu	Leu	Ser	Asp	Asp	340	345	350
Asp	Arg	Ala	Asn	Leu	Met	Trp	Lys	Arg	Tyr	Leu	Glu	Arg	Glu	Asp	Ser	355	360	365
Lys	Ile	Val	Asp	Leu	Phe	Val	Gly	Gln	Leu	Lys	Ser	Cys	Leu	Lys	Cys	370	375	380
Gln	Ala	Cys	Gly	Tyr	Arg	Ser	Thr	Thr	Phe	Glu	Val	Phe	Cys	Asp	Leu	385	390	395
Ser	Leu	Pro	Ile	Pro	Lys	Lys	Gly	Phe	Ala	Gly	Gly	Lys	Val	Ser	Leu	405	410	415

Arg Asp Cys Phe Asn Leu Phe Thr Lys Glu Glu Glu Leu Glu Ser Glu
 420 425 430
 Asn Ala Pro Val Cys Asp Arg Cys Arg Gln Lys Thr Arg Ser Thr Lys
 435 440 445
 Lys Leu Thr Val Gln Arg Phe Pro Arg Ile Leu Val Leu His Leu Asn
 450 455 460
 Arg Phe Ser Ala Ser Arg Gly Ser Ile Lys Lys Ser Ser Val Gly Val
 465 470 475 480
 Asp Phe Ser Thr Ala Ala Thr Glu Pro
 485

<210> 212
 <211> 463
 <212> PRT
 <213> Homo sapiens

<400> 212
 Ala Arg Gly Thr Asn Leu Ala Arg Ser Lys Ser Val Ser Ser Gly Asp
 1 5 10 15
 Leu Arg Pro Met Gly Ile Ala Leu Gly Gly His Arg Gly Thr Gly Glu
 20 25 30
 Leu Gly Ala Ala Leu Ser Arg Leu Ala Leu Arg Pro Glu Pro Pro Thr
 35 40 45
 Leu Arg Arg Ser Thr Ser Leu Arg Arg Leu Gly Gly Phe Pro Gly Pro
 50 55 60
 Pro Thr Leu Phe Ser Ile Arg Thr Glu Pro Pro Ala Ser His Gly Ser
 65 70 75 80
 Phe His Met Ile Ser Ala Arg Ser Ser Glu Pro Phe Tyr Ser Asp Asp
 85 90 95
 Lys Met Ala His His Thr Leu Leu Leu Gly Ser Gly His Val Gly Leu
 100 105 110
 Arg Asn Leu Gly Asn Thr Cys Phe Leu Asn Ala Val Leu Gln Cys Leu
 115 120 125
 Ser Ser Thr Arg Pro Leu Arg Asp Phe Cys Leu Arg Arg Asp Phe Arg
 130 135 140
 Gln Glu Val Pro Gly Gly Gly Arg Ala Gln Glu Leu Thr Glu Ala Phe
 145 150 155 160
 Ala Asp Val Ile Gly Ala Leu Trp His Pro Asp Ser Cys Glu Ala Val
 165 170 175

Asn	Pro	Thr	Arg	Phe	Arg	Ala	Val	Phe	Gln	Lys	Tyr	Val	Pro	Ser	Phe	180	185	190	
Ser	Gly	Tyr	Ser	Gln	Leu	Asp	Ala	Gln	Glu	Phe	Leu	Lys	Leu	Leu	Met	195	200	205	
Glu	Arg	Leu	His	Leu	Glu	Ile	Asn	Arg	Arg	Asp	Arg	Arg	Ala	Pro	Pro	210	215	220	
Ile	Leu	Ala	Asn	Gly	Pro	Val	Pro	Ser	Pro	Pro	Arg	Arg	Gly	Gly	Ala	225	230	235	240
Leu	Leu	Glu	Glu	Pro	Glu	Leu	Ser	Asp	Asp	Asp	Arg	Ala	Asn	Leu	Met	245	250	255	
Trp	Lys	Arg	Tyr	Leu	Glu	Arg	Glu	Asp	Ser	Lys	Ile	Val	Asp	Leu	Phe	260	265	270	
Val	Gly	Gln	Leu	Lys	Ser	Cys	Leu	Lys	Cys	Gln	Ala	Cys	Gly	Tyr	Arg	275	280	285	
Ser	Thr	Thr	Phe	Glu	Val	Phe	Cys	Asp	Leu	Ser	Leu	Pro	Ile	Pro	Lys	290	295	300	
Lys	Gly	Phe	Ala	Gly	Gly	Lys	Val	Ser	Leu	Arg	Asp	Cys	Phe	Asn	Leu	305	310	315	320
Phe	Thr	Lys	Glu	Glu	Glu	Leu	Glu	Ser	Glu	Asn	Ala	Pro	Val	Cys	Asp	325	330	335	
Arg	Cys	Arg	Gln	Lys	Thr	Arg	Ser	Thr	Lys	Lys	Leu	Thr	Val	Gln	Arg	340	345	350	
Phe	Pro	Arg	Ile	Leu	Val	Leu	His	Leu	Asn	Arg	Phe	Ser	Ala	Ser	Arg	355	360	365	
Gly	Ser	Ile	Lys	Lys	Ser	Ser	Val	Gly	Val	Asp	Phe	Pro	Leu	Gln	Arg	370	375	380	
Leu	Ser	Leu	Gly	Asp	Phe	Ala	Ser	Asp	Lys	Ala	Gly	Ser	Pro	Val	Tyr	385	390	395	400
Gln	Leu	Tyr	Ala	Leu	Cys	Asn	His	Ser	Gly	Ser	Val	His	Tyr	Gly	His	405	410	415	
Tyr	Thr	Ala	Leu	Cys	Arg	Cys	Gln	Thr	Gly	Trp	His	Val	Tyr	Asn	Asp	420	425	430	
Ser	Arg	Val	Ser	Pro	Val	Ser	Glu	Asn	Gln	Val	Ala	Ser	Ser	Glu	Gly	435	440	445	
Tyr	Val	Leu	Phe	Tyr	Gln	Leu	Met	Gln	Glu	Pro	Pro	Arg	Cys	Leu	450	455	460		

<211> 53
<212> PRT
<213> Homo sapiens

<400> 213
Lys Ile Glu Leu Met Val Cys Thr Lys Ser Leu Val Tyr Val Leu Val
1 5 10 15
Phe Gln Asn Asn Phe Tyr Ile Asn Ile Tyr Ile Val Lys Lys Phe Phe
20 25 30
Leu Ile Phe Gly Trp Asp Ile Arg Lys Tyr Leu Tyr Tyr Thr Leu Ser
35 40 45
Tyr Tyr Asn Gly Thr
50

<210> 214
<211> 9
<212> PRT
<213> Homo sapiens

<400> 214
Leu Leu Ser Cys Phe Tyr Phe Phe Leu
1 5

<210> 215
<211> 66
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 215
Met Leu Leu Leu Cys Tyr His Xaa Phe Leu Xaa Phe Val Leu Gly Thr

1	5	10	15
Gly Xaa Val Asn Ile Glu Glu Ala Glu Lys Leu Leu Lys Pro Tyr Leu			
	20	25	30
Asn Arg Tyr Pro Lys Gly Ala Ile Phe Leu Phe Phe Ala Gly Arg Ile			
	35	40	45
Glu Val Ile Lys Gly Asn Ile Asp Ala Ala Ile Arg Xaa Phe Glu Glu			
	50	55	60
Cys Cys			
65			

<210> 216
 <211> 66
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (18)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (61)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 216
Met Leu Leu Leu Cys Tyr His Xaa Phe Leu Xaa Phe Val Leu Gly Thr
1 5 10 15

Gly Xaa Val Asn Ile Glu Glu Ala Glu Lys Leu Leu Lys Pro Tyr Leu
20 25 30

Asn Arg Tyr Pro Lys Gly Ala Ile Phe Leu Phe Phe Ala Gly Arg Ile
35 40 45

Glu Val Ile Lys Gly Asn Ile Asp Ala Ala Ile Arg Xaa Phe Glu Glu
50 55 60

Cys Cys
65

<210> 217
<211> 43
<212> PRT
<213> Homo sapiens

<400> 217
Met Tyr Lys Ile Thr Tyr Arg Val Cys Phe Leu Cys Gln Pro Leu Met
1 5 10 15
Val Gly Leu Gly Cys Ile Gly Ser Ile Ala Ile Val Leu Leu Leu Leu
20 25 30
Leu Leu Val Pro His Val Cys Pro Lys Ile Leu
35 40

<210> 218
<211> 43
<212> PRT
<213> Homo sapiens

<400> 218
Met Tyr Lys Ile Thr Tyr Arg Val Cys Phe Leu Cys Gln Pro Leu Met
1 5 10 15
Val Gly Leu Gly Cys Ile Gly Ser Ile Ala Ile Val Leu Leu Leu Leu
20 25 30
Leu Leu Val Pro His Val Cys Pro Lys Ile Leu
35 40

<210> 219
<211> 79
<212> PRT
<213> Homo sapiens

<400> 219
Ala Pro Leu Ala Ala Ser Thr Ile Leu Ala Val Ala Ser Ala Arg Ile
1 5 10 15
Leu Ala Ala Leu Lys Ser Leu Arg Glu Phe Ser Arg Ser Leu Ser Pro
20 25 30
Ser Ala Ser Ala Leu Met Ala Leu Thr Arg Ser Asp Val Ala Trp Ala
35 40 45
Arg Met Arg Ala Cys Arg Thr Ile Ser Pro Ala Ser Pro Met Glu Leu
50 55 60
Lys Met Phe Ser Val Thr Val Arg Met Val Ser Val Ala Trp Ser
65 70 75

<210> 220
<211> 72
<212> PRT
<213> Homo sapiens

<400> 220
Met Gly Thr Leu Met Val Leu Thr Arg Leu Ala Val Leu Leu Ala Thr
1 5 10 15
Ser Leu Ala Asp Cys Thr Asn Trp Arg Leu Ala Val Gly Leu Val Val
20 25 30
Arg Ala Glu Ala Arg Arg Gln Leu Leu His Ser Ala Glu Val Cys Leu
35 40 45
Ala Thr Met Val Ala Ala Glu Ser Thr Trp Ala Trp Val Gln Pro Gly
50 55 60
Ser Pro Lys Leu Trp Gln Ala Ile
65 70

<210> 221
<211> 72
<212> PRT
<213> Homo sapiens

<400> 221
Met Gly Thr Leu Met Val Leu Thr Arg Leu Ala Val Leu Leu Ala Thr
1 5 10 15
Ser Leu Ala Asp Cys Thr Asn Trp Arg Leu Ala Val Gly Leu Val Val
20 25 30
Arg Ala Glu Ala Arg Arg Gln Leu Leu His Ser Ala Glu Val Cys Leu
35 40 45
Ala Thr Met Val Ala Ala Glu Ser Thr Trp Ala Trp Val Gln Pro Gly
50 55 60
Ser Pro Lys Leu Trp Gln Ala Ile
65 70

<210> 222
<211> 43
<212> PRT
<213> Homo sapiens

<400> 222
Met Cys Arg Thr Gln Phe His Leu Phe Trp Phe Ile Val Thr Glu Leu
1 5 10 15

Ser Pro Val Ile Trp Ala Lys Ala Asn Gln Lys Leu Ser Cys Leu Ser
20 25 30

Gln Gln Thr Leu Val Leu Val Tyr Phe Cys Arg
35 40

<210> 223
<211> 84
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 223
Phe Ser Ile Phe Lys Asn His Ile Ser Leu Cys Trp Leu Ile Ile Ile
1 5 10 15

Asn Phe Lys His Ser Phe Leu Gln Ser Gly Phe Ser Glu Phe Phe Phe
20 25 30

Phe Lys Gln Xaa Xaa His Ser Phe Phe Leu Val Thr Ser Lys Gly Gly
35 40 45

Thr Gly Val Gly Gly Lys Glu Cys Leu Lys Met Lys Ser Leu Asp Ile
50 55 60

Glu Gly Pro Arg Arg Thr Gly Tyr Ala Lys Ile Ile Ser Asn Ser Ser
65 70 75 80

Thr Ile Leu Glu

<210> 224
<211> 43
<212> PRT
<213> Homo sapiens

<400> 224
Met Cys Arg Thr Gln Phe His Leu Phe Trp Phe Ile Val Thr Glu Leu
1 5 10 15

Ser Pro Val Ile Trp Ala Lys Ala Asn Gln Lys Leu Ser Cys Leu Ser
20 25 30

Gln Gln Thr Leu Val Leu Val Tyr Phe Cys Arg

35

40

<210> 225
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 225
 Pro His Cys Arg Trp Pro Gly Leu Tyr Arg Gln Leu Gly Arg Arg Arg
 1 5 10 15
 Arg Ser Thr Ala Leu Leu Arg Cys His Asn Val
 20 25

<210> 226
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 226
 Met Arg Lys Arg Arg Pro Tyr Asn Arg Trp Thr Gly Cys Trp Leu Arg
 1 5 10 15
 Leu Ala Val Ser Cys Arg Trp Ala Val Ala Ile Ser Ala Ser Pro Trp
 20 25 30
 Leu Arg Leu Thr Ser
 35

<210> 227
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 227
 Met Arg Lys Arg Arg Pro Tyr Asn Arg Trp Thr Gly Cys Trp Leu Arg
 1 5 10 15
 Leu Ala Val Ser Cys Arg Trp Ala Val Ala Ile Ser Ala Ser Pro Trp
 20 25 30
 Leu Arg Leu Thr Ser
 35

<210> 228
 <211> 153
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 228

Met Ala Ala Thr Gln Thr Gly Thr Cys Leu Met Val Ala Ala Leu Cys

1

5

10

15

Phe Val Leu Val Leu Gly Ser Leu Val Pro Cys Leu Pro Glu Phe Ser

20

25

30

Ser Gly Ser Gln Thr Val Lys Glu Asp Pro Leu Ala Ala Asp Gly Val

35

40

45

Tyr Thr Ala Ser Gln Met Pro Ser Arg Ser Leu Leu Phe Tyr Asp Asp

50

55

60

Gly Ala Gly Leu Trp Glu Asp Gly Arg Ser Thr Leu Leu Pro Met Glu

65

70

75

80

Pro Pro Asp Gly Trp Glu Ile Asn Pro Gly Gly Pro Ala Glu Gln Arg

85

90

95

Pro Xaa Asp His Leu Gln His Asp His Leu Asp Ser Thr His Glu Thr

100

105

110

Thr Lys Tyr Leu Ser Glu Ala Trp Pro Lys Asp Gly Gly Asn Gly Thr

115

120

125

Ser Pro Asp Phe Ser His Ser Lys Glu Trp Phe His Asp Arg Asp Leu

130

135

140

Gly Pro Asn Thr Thr Ile Lys Leu Ser

145

150

<210> 229

<211> 153

<212> PRT

<213> Homo sapiens

<400> 229

Met Ala Ala Thr Gln Thr Gly Thr Cys Leu Met Val Ala Ala Leu Cys

1

5

10

15

Phe Val Leu Val Leu Gly Ser Leu Val Pro Cys Leu Pro Glu Phe Ser

20

25

30

Ser Gly Ser Gln Thr Val Lys Glu Asp Pro Leu Ala Ala Asp Gly Val

35

40

45

Tyr Thr Ala Ser Gln Met Pro Ser Arg Ser Leu Leu Phe Tyr Asp Asp

50

55

60

Gly Ala Gly Leu Trp Glu Asp Gly Arg Ser Thr Leu Leu Pro Met Glu

65		70		75		80									
Pro	Pro	Asp	Gly	Trp	Glu	Ile	Asn	Pro	Gly	Gly	Pro	Ala	Glu	Gln	Arg
			85						90					95	
Pro	Arg	Asp	His	Leu	Gln	His	Asp	His	Leu	Asp	Ser	Thr	His	Glu	Thr
			100					105					110		
Thr	Lys	Tyr	Leu	Ser	Glu	Ala	Trp	Pro	Lys	Asp	Gly	Gly	Asn	Gly	Thr
			115				120					125			
Ser	Pro	Asp	Phe	Ser	His	Ser	Lys	Glu	Trp	Phe	His	Asp	Arg	Asp	Leu
	130					135					140				
Gly	Pro	Asn	Thr	Thr	Ile	Lys	Leu	Ser							
145					150										

<210> 230
 <211> 105
 <212> PRT
 <213> Homo sapiens

<400> 230
Met Cys Leu Thr Thr Ala Gly Phe Cys Leu Leu Ala Ile His Ser Phe
1 5 10 15
Ala Leu Gly Val Gln Ser Arg Gln Gln His Ser Val Pro Ile Val Phe
20 25 30
Glu Val Leu Pro Leu Arg Val Pro Glu Pro Ser Arg Val Thr Gly Cys
35 40 45
Ser Ser Phe Phe Gln Thr Lys Val Leu Cys Lys Gln His Leu Leu Gly
50 55 60
Pro Arg Ala Ser Val Asn Ile Val Leu Ala Cys Leu Ala Cys Cys His
65 70 75 80
Arg Lys Gly Leu Cys Val His Ile Pro Ala Asn Leu Met Ser Pro Ser
85 90 95
Ser Ala Lys Leu Tyr His Ser Leu His
100 105

<210> 231
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 231
Phe Cys Leu Ile Trp Ser Ala Tyr Leu Leu Met Cys Leu Phe Leu Phe
1 5 10 15

Cys Leu Phe Tyr Phe Tyr Phe Ser Val Asn Ala Arg Thr Asp Leu His
20 25 30

Val Lys Ser Gly Leu
35

<210> 232
<211> 105
<212> PRT
<213> Homo sapiens

<400> 232
Met Cys Leu Thr Thr Ala Gly Phe Cys Leu Leu Ala Ile His Ser Phe
1 5 10 15

Ala Leu Gly Val Gln Ser Arg Gln Gln His Ser Val Pro Ile Val Phe
20 25 30

Glu Val Leu Pro Leu Arg Val Pro Glu Pro Ser Arg Val Thr Gly Cys
35 40 45

Ser Ser Phe Phe Gln Thr Lys Val Leu Cys Lys Gln His Leu Leu Gly
50 55 60

Pro Arg Ala Ser Val Asn Ile Val Leu Ala Cys Leu Ala Cys Cys His
65 70 75 80

Arg Lys Gly Leu Cys Val His Ile Pro Ala Asn Leu Met Ser Pro Ser
85 90 95

Ser Ala Lys Leu Tyr His Ser Leu His
100 105

<210> 233
<211> 5
<212> PRT
<213> Homo sapiens

<400> 233
Tyr Ser Pro Leu Cys
1 5

<210> 234
<211> 40
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 234

Met Ala Tyr Ser Pro Leu Leu Ile Ser Leu Val Leu Ala Phe Xaa Pro
1 5 10 15

Ala Ser Thr Tyr Gly Arg Ala Ser Ile Asp Phe Thr Cys Phe Pro Asn
20 25 30

His Tyr Gly Ile Ser Asn Gln Tyr
35 40

<210> 235

<211> 160

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 235

Phe Phe Asp Ser Ile Gly Ala Leu Val Pro Gln Phe Leu Ala Asn Asp
1 5 10 15

Asp Glu Leu Ser Ser His Thr Tyr Gly Leu Leu Val Asn Lys Asn Asn
20 25 30

His Leu Gly His Leu Ala Val Cys Ile Ser Gln Cys Ile Trp Gly Leu
35 40 45

Leu Ser Pro Cys Glu Leu Xaa Gly Ile Ser Leu Gly Ser Ile Ile Leu
50 55 60

Phe Cys Pro Thr Pro Cys Ser Met Gln Thr Pro Ser Pro Ala Cys Trp
65 70 75 80

Ser Pro Ser Gly Asn Pro Gly Leu Ala His Thr Leu Cys Trp Arg Ala
85 90 95

Cys Thr Leu Met Pro Leu Leu Arg Leu Gly Pro Tyr Leu Val Thr Leu
100 105 110

Phe Ala Leu Pro Ser Glu Thr Glu Gln Leu Ala Pro Ser Ala Leu Val
115 120 125

Val Pro Cys Glu Ala Leu Leu Leu Ser Gly Phe Leu His Arg Asp Pro
130 135 140

Cys Arg Leu Pro Ala Asp Met Gln Asp Ala Leu Leu Ser Val Asp Val
145 150 155 160

<210> 236
<211> 40
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 236
Met Ala Tyr Ser Pro Leu Leu Ile Ser Leu Val Leu Ala Phe Xaa Pro
1 5 10 15
Ala Ser Thr Tyr Gly Arg Ala Ser Ile Asp Phe Thr Cys Phe Pro Asn
20 25 30
His Tyr Gly Ile Ser Asn Gln Tyr
35 40

<210> 237
<211> 236
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (117)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (122)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 237

Met Glu Xaa Pro Ala Gln Leu Leu Phe Leu Leu Leu Leu Trp Leu Pro
1 5 10 15

Asp Thr Thr Gly Glu Ile Val Leu Thr Gln Ser Pro Xaa Thr Leu Ser
20 25 30

Leu Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser
35 40 45

Val Ser Ser Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro
50 55 60

Arg Leu Leu Ile Tyr Xaa Ala Ser Xaa Arg Ala Thr Gly Ile Pro Xaa
65 70 75 80

Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser
85 90 95

Xaa Leu Glu Pro Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Arg Xaa
100 105 110

Asn Trp Pro Pro Xaa Tyr Thr Phe Gly Xaa Gly Thr Lys Val Glu Ile
115 120 125

Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp
130 135 140

Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn
145 150 155 160

Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu
165 170 175

Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp
180 185 190

Ser Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr
195 200 205

Glu Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser
210 215 220

Ser Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
225 230 235

<210> 238
<211> 144
<212> PRT
<213> Homo sapiens

<400> 238
Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Trp Leu Ser
1 5 10 15

Gly Ala Lys Cys Asp Thr Gln Met Thr Gln Ser Pro Ser Ser Leu Ser
20 25 30

Ala Ser Val Gly Asp Thr Val Thr Ile Thr Cys Gln Ala Ser Asp Asp
35 40 45

Ile Ser Lys Asp Leu Asn Trp Phe Gln Gln Lys Pro Gly Thr Ala Pro
50 55 60

Lys Leu Leu Ile Phe Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser
65 70 75 80

Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Phe Thr Ile Ser
85 90 95

Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Tyr Asp
100 105 110

Asn Pro Pro Ser Leu Ser Ala Glu Gly Pro Lys Trp Arg Ser Asn Glu
115 120 125

Leu Trp Leu His His Leu Ser Ser Ser Ser Arg His Leu Met Ser Ser
130 135 140

<210> 239
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids
<220>

<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 239
Val His Ala Xaa Thr Pro Phe Ala Gly Xaa Cys Phe Asp Pro Val Ser
1 5 10 15
Leu Tyr Trp Cys Tyr Xaa Asn Pro Gly Thr His Cys Tyr Pro Thr Leu
20 25 30
Arg Gly Xaa Glu Gln Arg Xaa Pro Ser Xaa Arg Ser His Ile Val Leu
35 40 45
Arg Ser
50

<210> 240
<211> 64
<212> PRT
<213> Homo sapiens

<400> 240
Met Val Ser Pro Leu Ile Ser Ala Leu Phe His Val Pro Phe Leu Trp
1 5 10 15
Leu Gly Met Phe Phe Pro His Ser Leu Ser Gly Pro Phe Pro Ser His
20 25 30
Leu Arg Arg Ala Ser Ser Ser Arg Lys Pro Leu Val Lys Pro Pro Arg
35 40 45
Ala Arg Gln Tyr Pro Pro Leu Ala Ser Ser Gly Tyr Arg Gly Arg Ile
50 55 60

<210> 241
<211> 26
<212> PRT
<213> Homo sapiens

<400> 241
Met Ser Phe Pro His Ala Ser Thr Leu Pro Phe His Lys Leu Ser Asp
1 5 10 15
Leu Gln His Thr Leu Pro Asn His Gln Gly
20 25

<210> 242
<211> 64
<212> PRT
<213> Homo sapiens

<400> 242
Met Val Ser Pro Leu Ile Ser Ala Leu Phe His Val Pro Phe Leu Trp
1 5 10 15
Leu Gly Met Phe Phe Pro His Ser Leu Ser Gly Pro Phe Pro Ser His
20 25 30
Leu Arg Arg Ala Ser Ser Ser Arg Lys Pro Leu Val Lys Pro Pro Arg
35 40 45
Ala Arg Gln Tyr Pro Pro Leu Ala Ser Ser Gly Tyr Arg Gly Arg Ile
50 55 60

<210> 243
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 243

Phe Asn Phe Lys Phe Ala His Arg Pro Ser Asn Pro Leu Val Asn Leu
1 5 10 15

Thr Val Ser Pro Xaa Arg Asn Ser Ser Leu Xaa Thr Arg Lys Xaa Pro
20 25 30

Cys Arg Glu Ser Lys Lys Phe Asn Thr His Ser Arg Pro Lys Ser Ser
35 40 45

His Gln Leu Arg Lys Arg Ser Ser Ser Thr Pro Thr Thr
50 55 60

<210> 244

<211> 56

<212> PRT

<213> Homo sapiens

<400> 244

Met Leu Ile Phe Leu Lys Cys Leu Thr Val Ser Tyr Ala Lys Tyr Ser
1 5 10 15

Ser Lys Ile Tyr Thr Ala Val Ser Asn Thr Phe Ser Thr Ala Ser Asp
20 25 30

Ser Trp Leu Cys Val Lys Thr Pro Arg Gly Tyr His Trp Phe Met Ser
35 40 45

Leu Glu Thr Pro Asp Ile Glu Gln
50 55

<210> 245

<211> 10

<212> PRT

<213> Homo sapiens

<400> 245

Val Leu Leu Phe Leu Ser Leu Leu Thr Ser
1 5 10

<210> 246

<211> 56

<212> PRT

<213> Homo sapiens

<400> 246

Met Leu Ile Phe Leu Lys Cys Leu Thr Val Ser Tyr Ala Lys Tyr Ser
1 5 10 15
Ser Lys Ile Tyr Thr Ala Val Ser Asn Thr Phe Ser Thr Ala Ser Asp
20 25 30
Ser Trp Leu Cys Val Lys Thr Pro Arg Gly Tyr His Trp Phe Met Ser
35 40 45
Leu Glu Thr Pro Asp Ile Glu Gln
50 55

<210> 247
<211> 75
<212> PRT
<213> Homo sapiens

<400> 247
Glu Asp Met Pro Arg Arg Lys Glu Glu Leu Thr Asp Tyr Gln Lys Lys
1 5 10 15
Lys Val Ile Leu Gln Asn Leu Lys His Ser Leu Phe Leu Ser Leu Leu
20 25 30
Ser His Tyr Phe Tyr Ser Asn Pro Leu Glu Tyr Leu His Phe Ala Ser
35 40 45
Glu Gln Arg Asp Lys Phe Phe Ser His His Val Cys Thr Gly Val Val
50 55 60
Leu Ile Leu Asp Ile Ala Gly Thr Asn Phe Ser
65 70 75

<210> 248
<211> 55
<212> PRT
<213> Homo sapiens

<400> 248
Met Ile Tyr Phe Ala Leu Leu Leu Ala Ser Leu Phe Phe Leu Leu Lys
1 5 10 15
Val Lys Ser His Phe Gly Cys Lys Asn Val Thr Thr Thr Ser Ala Arg
20 25 30
Ile Phe Leu Lys Pro Leu Cys Thr Pro Lys Ser Ile Phe Pro Leu Ser
35 40 45
Arg Tyr Gly Arg Met Ser Ser
50 55

<210> 249
<211> 55
<212> PRT
<213> Homo sapiens

<400> 249
Met Ile Tyr Phe Ala Leu Leu Leu Ala Ser Leu Phe Phe Leu Leu Lys
1 5 10 15
Val Lys Ser His Phe Gly Cys Lys Asn Val Thr Thr Thr Ser Ala Arg
20 25 30
Ile Phe Leu Lys Pro Leu Cys Thr Pro Lys Ser Ile Phe Pro Leu Ser
35 40 45
Arg Tyr Gly Arg Met Ser Ser
50 55

<210> 250
<211> 85
<212> PRT
<213> Homo sapiens

<400> 250
Met Leu His Asn Ala Phe Leu Phe Val Leu Phe Ala Leu Val Ser Gly
1 5 10 15
Tyr Gly Asn Tyr Ala Ala Thr Ala His Asp Trp Leu Tyr Glu Asn Gly
20 25 30
Gln Leu Ser Arg Lys Glu Ala Asp Ala Val Leu Tyr Arg Ala Leu Arg
35 40 45
Ala Glu Gly Val Ala Arg Trp Arg Ala Trp Leu Met Tyr Ala Gly Val
50 55 60
Arg Leu Gly Gly Ala Lys Gln Tyr Lys Thr Pro Thr Ser Ser Gly Phe
65 70 75 80
Ser Ser Ser Gly Asp
85

<210> 251
<211> 85
<212> PRT
<213> Homo sapiens

<400> 251
Met Leu His Asn Ala Phe Leu Phe Val Leu Phe Ala Leu Val Ser Gly
1 5 10 15
Tyr Gly Asn Tyr Ala Ala Thr Ala His Asp Trp Leu Tyr Glu Asn Gly
20 25 30

Gln Leu Ser Arg Lys Glu Ala Asp Ala Val Leu Tyr Arg Ala Leu Arg
 35 40 45
 Ala Glu Gly Val Ala Arg Trp Arg Ala Trp Leu Met Tyr Ala Gly Val
 50 55 60
 Arg Leu Gly Gly Ala Lys Gln Tyr Lys Thr Pro Thr Ser Ser Gly Phe
 65 70 75 80
 Ser Ser Ser Gly Asp
 85

<210> 252
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 252
 Met Ile Ile Ala Asn Ile Phe Met Asn Pro Leu Leu Cys Ala Gly Tyr
 1 5 10 15
 Leu Phe Cys Phe Ala Tyr Thr Leu Ile His Leu Ile Leu Leu Thr Thr
 20 25 30
 Ser Glu Val Cys Ser Ile Thr Ala Pro Phe Phe Thr Ala Val Leu Gln
 35 40 45
 Ser Ser Ala Cys Pro Ser Thr His Trp Pro Glu
 50 55

<210> 253
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 253
 Met Ile Ile Ala Asn Ile Phe Met Asn Pro Leu Leu Cys Ala Gly Tyr
 1 5 10 15
 Leu Phe Cys Phe Ala Tyr Thr Leu Ile His Leu Ile Leu Leu Thr Thr
 20 25 30
 Ser Glu Val Cys Ser Ile Thr Ala Pro Phe Phe Thr Ala Val Leu Gln
 35 40 45
 Ser Ser Ala Cys Pro Ser Thr His Trp Pro Glu
 50 55

<210> 254
 <211> 67

<212> PRT

<213> Homo sapiens

<400> 254

Met Leu Phe Leu Ile Tyr Val Ser Leu Leu Met Leu Leu Phe Ser Leu
1 5 10 15

Cys Leu Ser Leu Pro His Leu Gln Pro Pro Ser Leu Arg Glu Ile Leu
20 25 30

Ile Pro Val His Ser Leu Arg Phe Ser Leu Val Ser Pro Leu His Gly
35 40 45

Ser Leu Ala Ser Ser Leu Leu Leu Gln His Cys Gly Thr Leu Arg Gln
50 55 60

Val Phe Phe
65

<210> 255

<211> 67

<212> PRT

<213> Homo sapiens

<400> 255

Met Leu Phe Leu Ile Tyr Val Ser Leu Leu Met Leu Leu Phe Ser Leu
1 5 10 15

Cys Leu Ser Leu Pro His Leu Gln Pro Pro Ser Leu Arg Glu Ile Leu
20 25 30

Ile Pro Val His Ser Leu Arg Phe Ser Leu Val Ser Pro Leu His Gly
35 40 45

Ser Leu Ala Ser Ser Leu Leu Leu Gln His Cys Gly Thr Leu Arg Gln
50 55 60

Val Phe Phe
65

<210> 256

<211> 86

<212> PRT

<213> Homo sapiens

<400> 256

Ser Leu Lys His Phe Trp Ser Gln Gly Phe Trp Ile Lys Asp Thr Gln
1 5 10 15

Cys Ala Thr Cys Arg Met Val Val Ala Arg Trp Glu Glu Arg Met Glu
20 25 30

Ser Tyr Cys Leu Met Ile Gln Cys Phe Arg Leu Gly Arg Trp Lys Val

35	40	45
Leu Glu Met Cys Asp Gly Tyr Gly Cys Ala Thr Met Gly Arg Tyr Leu		
50	55	60
Val Leu Leu Asn Cys Ala His Leu Lys Met Val Lys Met Ile Asn Phe		
65	70	75
Val Tyr Val Leu Lys Gln		
85		

<210> 257
 <211> 52
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (36)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 257
Met Gln Arg Leu Gly Lys Ala Pro Gly Thr Trp Gln Ala Ile Ser Lys
1 5 10 15
Cys Trp Leu Leu Leu Leu Ser Leu Pro Phe Ser Gln Ser Ile Ile
20 25 30
Ile Ser Leu Xaa Xaa Gly Thr Met Ser Tyr Leu Pro Leu Tyr Phe Pro
35 40 45
Gln Tyr Phe Pro
50

<210> 258
 <211> 52
 <212> PRT
 <213> Homo sapiens

<400> 258
Met Gln Arg Leu Gly Lys Ala Pro Gly Thr Trp Gln Ala Ile Ser Lys
1 5 10 15
Cys Trp Leu Leu Leu Leu Ser Leu Pro Phe Ser Gln Ser Ile Ile
20 25 30
Ile Ser Leu Arg Ala Gly Thr Met Ser Tyr Leu Pro Leu Tyr Phe Pro
35 40 45

Gln Tyr Phe Pro
50

<210> 259
<211> 20
<212> PRT
<213> Homo sapiens

<400> 259
Met Leu Cys Val Leu Leu Ala Val Ala Phe Gln Ser Ser Pro Ile Pro
1 5 10 15

Gly Ala Ala Ala
20

<210> 260
<211> 69
<212> PRT
<213> Homo sapiens

<400> 260
Met Ala Leu Phe Arg Pro Ile Leu Leu Pro Ala Pro Gly Ala Trp Trp
1 5 10 15

Trp Pro Cys His His Ala Leu Cys Pro Ser Gly Cys Gly Phe Pro Glu
20 25 30

Gln Pro His Ser Arg Cys Ser Ser Leu Glu Leu Gln Ser Ala Ser Arg
35 40 45

Gln Cys Trp Leu Gln Trp Leu Gly Asp Ile Arg Pro Leu Leu Leu Gln
50 55 60

Gly Arg Glu Val Thr
65

<210> 261
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 261
Met Gly Leu Ile Ala Ala Asp Val Asn Leu Asp Leu Leu Val Gln Val
1 5 10 15

Val Pro Ala Ser Cys Leu His Cys Gly Val Thr Ile Phe Pro Phe Pro
20 25 30

His Xaa Ile His Gln Lys Pro Val Thr Lys Arg Gly Gln Thr Pro Gly
35 40 45

Gln Gly Asn
50

<210> 262
<211> 51
<212> PRT
<213> Homo sapiens

<400> 262
Met Gly Leu Ile Ala Ala Asp Val Asn Leu Asp Leu Leu Val Gln Val
1 5 10 15

Val Pro Ala Ser Cys Leu His Cys Gly Val Thr Ile Phe Pro Phe Pro
20 25 30

His Phe Ile His Gln Lys Pro Val Thr Lys Arg Gly Gln Thr Pro Gly
35 40 45

Gln Gly Asn
50

<210> 263
<211> 13
<212> PRT
<213> Homo sapiens

<400> 263
Ser Cys Ile Ser Trp Val Phe Val Met Ile Asn Gly Leu
1 5 10

<210> 264
<211> 61
<212> PRT
<213> Homo sapiens

<400> 264
Met Asn Ala Ser Leu Ile Ser Trp Val Leu Val Leu His Arg Ile Cys
1 5 10 15

Leu Gly Leu Ser Asp Ile Pro Lys Glu Asn Cys Ile Ile Thr Ile Ser
20 25 30

Gly Met Gln Leu Ser His His Gly Gln Ser Leu Gly Lys Trp Ala Glu
35 40 45

Lys Leu His Val Phe Tyr Ser Leu Phe Ser Phe Leu Leu
 50 55 60

<210> 265
 <211> 322
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (28)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 265
 Arg Ala Pro Arg Arg Thr Gly Pro Ala Ser Phe Ser Ser Arg Pro Ala
 1 5 10 15
 Gly Thr Cys Ser Asp Asn Arg Val Thr Ser Phe Xaa Asp Leu Ile His
 20 25 30
 Asp Gln Asp Glu Asp Glu Glu Glu Glu Gly Gln Arg Phe Tyr Ala
 35 40 45
 Gly Gly Ser Glu Arg Ser Gly Gln Gln Ile Val Gly Pro Pro Arg Lys
 50 55 60
 Lys Ser Pro Asn Glu Leu Val Asp Asp Leu Phe Lys Gly Ala Lys Glu
 65 70 75 80
 His Gly Ala Val Ala Val Glu Arg Val Thr Lys Ser Pro Gly Glu Thr
 85 90 95
 Ser Lys Pro Arg Pro Phe Ala Gly Gly Gly Tyr Arg Leu Gly Ala Ala
 100 105 110
 Pro Glu Glu Glu Ser Ala Tyr Val Ala Gly Glu Lys Arg Gln His Ser
 115 120 125
 Ser Gln Asp Val His Val Val Leu Lys Leu Trp Lys Ser Gly Phe Ser
 130 135 140
 Leu Asp Asn Gly Glu Leu Arg Ser Tyr Gln Asp Pro Ser Asn Ala Gln
 145 150 155 160
 Phe Leu Glu Ser Ile Arg Arg Gly Glu Val Pro Ala Glu Leu Arg Arg
 165 170 175
 Leu Ala His Gly Gly Gln Val Asn Leu Asp Met Glu Asp His Arg Asp
 180 185 190
 Glu Asp Phe Val Lys Pro Lys Gly Ala Phe Lys Ala Phe Thr Gly Glu
 195 200 205
 Gly Gln Lys Leu Gly Ser Thr Ala Pro Gln Val Leu Ser Thr Ser Ser
 210 215 220

Pro Ala Gln Gln Ala Glu Asn Glu Ala Lys Ala Ser Ser Ser Ile Leu
225 230 235 240

Ile Asp Glu Ser Glu Pro Thr Thr Asn Ile Gln Ile Arg Leu Ala Asp
245 250 255

Gly Gly Arg Leu Val Gln Lys Phe Asn His Ser His Arg Ile Ser Asp
260 265 270

Ile Arg Leu Phe Ile Val Asp Ala Arg Pro Ala Met Ala Ala Thr Ser
275 280 285

Phe Ile Leu Met Thr Thr Phe Pro Asn Lys Glu Leu Ala Asp Glu Ser
290 295 300

Gln Thr Leu Lys Glu Ala Asn Leu Leu Asn Ala Val Ile Val Gln Arg
305 310 315 320

Leu Thr

<210> 266
<211> 61
<212> PRT
<213> Homo sapiens

<400> 266
Met Asn Ala Ser Leu Ile Ser Trp Val Leu Val Leu His Arg Ile Cys
1 5 10 15

Leu Gly Leu Ser Asp Ile Pro Lys Glu Asn Cys Ile Ile Thr Ile Ser
20 25 30

Gly Met Gln Leu Ser His His Gly Gln Ser Leu Gly Lys Trp Ala Glu
35 40 45

Lys Leu His Val Phe Tyr Ser Leu Phe Ser Phe Leu Leu
50 55 60

<210> 267
<211> 4
<212> PRT
<213> Homo sapiens

<400> 267
Pro Asn Ser Pro
1

<210> 268
<211> 64

<212> PRT

<213> Homo sapiens

<400> 268

Met Asp Pro Lys Leu Pro Val Ile Thr Ile Ile Ile Ile Ile Ala
1 5 10 15

Tyr Ala Phe Val Glu Pro Leu Leu Cys Thr Trp Pro Val Thr Gly Thr
20 25 30

Leu Ser Val Thr Gln Met Gln Val Ser His Leu Thr Leu Ala Ser Thr
35 40 45

Leu Arg Asp Gly Phe Tyr Gln His Pro His Phe Thr Asp Glu Glu Asn
50 55 60

<210> 269

<211> 64

<212> PRT

<213> Homo sapiens

<400> 269

Met Asp Pro Lys Leu Pro Val Ile Thr Ile Ile Ile Ile Ile Ala
1 5 10 15

Tyr Ala Phe Val Glu Pro Leu Leu Cys Thr Trp Pro Val Thr Gly Thr
20 25 30

Leu Ser Val Thr Gln Met Gln Val Ser His Leu Thr Leu Ala Ser Thr
35 40 45

Leu Arg Asp Gly Phe Tyr Gln His Pro His Phe Thr Asp Glu Glu Asn
50 55 60

<210> 270

<211> 58

<212> PRT

<213> Homo sapiens

<400> 270

Met Val Ser Leu Cys Ser Gly Leu Pro Ser Ser Cys Leu Leu Gly
1 5 10 15

Ser Thr Ala Ala Ile Ile Gln Arg Gln Val Cys Leu Phe Gln Gly Ala
20 25 30

Arg Gln Trp Asn Pro Val Ser Glu Phe Leu Arg Ala His His His Cys

35

40

45

Gly Asn Arg Ala Gly Leu Pro Ala Val Leu
50 55

<210> 271

<211> 58

<212> PRT

<213> Homo sapiens

<400> 271

Met Val Ser Leu Cys Ser Gly Leu Pro Ser Ser Cys Leu Leu Leu Gly
1 5 10 15

Ser Thr Ala Ala Ile Ile Gln Arg Gln Val Cys Leu Phe Gln Gly Ala
20 25 30

Arg Gln Trp Asn Pro Val Ser Glu Phe Leu Arg Ala His His His Cys
35 40 45

Gly Asn Arg Ala Gly Leu Pro Ala Val Leu
50 55

<210> 272

<211> 122

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 272

Lys Ala Pro Ser Ser His Pro Gly Leu Thr Cys Val Ser Leu Ser Arg
1 5 10 15

Leu Gln Xaa Ser Leu Ser Leu Cys Phe Pro Ser Gly Pro Cys Trp Ala
20 25 30

Gly Leu Leu Ser Ser Leu Ala Leu Ala Gly Gly Ala Pro Gly Ala Leu
35 40 45

Pro Pro Trp Gln Pro Gly Gln Asp Ser Lys Met Arg Thr Ala Glu Leu
50 55 60

Val Gly Gly Ser His Gly Pro Ala Xaa Gly Pro Gly Glu Ala Glu Pro
65 70 75 80

Glu Pro Thr Ala Val Val Leu Trp Thr Val Asp Pro Glu Gly Gly Leu
85 90 95

Gly Gln Val Pro Ala Glu Gly Pro Gly Gly Leu Cys Val Pro Leu Gly
100 105 110

Pro Gly Ala Leu Val Thr Trp Thr Pro Gly
115 120

<210> 273
<211> 130
<212> PRT
<213> Homo sapiens

<400> 273
Ser Thr Cys Cys Gly Trp Gly Pro Leu Gly His Ser Arg Val Arg Gly
1 5 10 15

Cys His Cys His Leu Gly His Val Gly Arg His Gln His Phe Val Val
20 25 30

Thr Asn Ser Thr Val Thr Asn Ile Phe Gly Gln Ile Pro Phe Tyr Thr
35 40 45

Ser Arg Gln Leu Leu Val Cys Asn Pro Thr Gly Gln Arg Glu Gly Pro
50 55 60

Val Thr Trp Leu Ser His Cys Pro Ala Pro Gln Met Val Leu Gly Leu
65 70 75 80

Leu Phe Ser Leu Gly Pro Ala Asn Thr Thr Val Phe Thr Ser Ala His
85 90 95

Trp Leu Ser Ala Val Val Pro Gly Ser Gln Trp His Val Ser Pro Arg
100 105 110

Ser Ser Leu Ile Pro Gln His Thr Pro Lys Gly Ser Val Ala Asn Thr
115 120 125

Leu Asn
130

<210> 274
<211> 44
<212> PRT
<213> Homo sapiens

<400> 274
Met Arg Leu Arg Asn Gly Thr Val Ala Thr Ala Leu Ala Phe Ile Thr
1 5 10 15

Ser Phe Leu Thr Leu Ser Trp Tyr Thr Thr Trp Gln Asn Gly Lys Gly

20

25

30

Lys Glu Asn Asp Ser Glu Asn Val His Glu Met Tyr
 35 40

<210> 275

<211> 216

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 275

Cys Phe Pro Trp Gly Xaa Ala Leu Arg Gln Lys Leu Phe Pro Ser Ala
 1 5 10 15

Leu Xaa Ala Leu Val Pro Ser Gly Ala Gln Pro Leu Pro Ala Thr Lys
 20 25 30

Asp Thr Val Leu Ala Pro Leu Arg Met Ser Gln Val Arg Ser Leu Val
 35 40 45

Ile Gly Leu Gln Asn Leu Leu Val Gln Lys Asp Pro Leu Leu Ser Gln
 50 55 60

Ala Cys Val Gly Cys Leu Glu Ala Leu Leu Asp Tyr Leu Asp Ala Arg
 65 70 75 80

Ser Pro Asp Ile Ala Leu His Val Ala Ser Gln Pro Trp Asn Arg Phe
 85 90 95

Leu Leu Phe Thr Leu Leu Asp Ala Gly Glu Asn Ser Phe Leu Arg Pro
 100 105 110

Glu Ile Leu Arg Leu Met Thr Leu Phe Met Arg Tyr Arg Ser Ser Ser
 115 120 125

Val Leu Ser His Glu Glu Val Gly Asp Val Leu Gln Gly Val Ala Leu
 130 135 140

Ala Asp Leu Ser Thr Leu Ser Asn Thr Thr Leu Gln Ala Leu His Gly
 145 150 155 160

Phe Phe Gln Gln Leu Gln Ser Met Gly His Leu Ala Asp His Ser Met
 165 170 175

Ala Gln Thr Leu Gln Ala Ser Leu Glu Gly Leu Pro Pro Ser Thr Ser

180	185	190
Ser Gly Gln Pro Pro Leu Gln Asp Met Leu Cys Leu Gly Gly Val Ala		
195	200	205
Val Ser Leu Ser His Ile Arg Asn		
210	215	

<210> 276
 <211> 122
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (92)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (100)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (109)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (116)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 276
 Met Leu Ala Leu Thr Leu Ala Lys Ala Asp Ser Pro Arg Thr Ala Leu
 1 5 10 15
 Leu Cys Ser Ala Trp Leu Leu Thr Ala Ser Phe Ser Ala Gln Gln His
 20 25 30
 Lys Gly Ser Leu Gln Val His Gln Thr Leu Ser Val Glu Met Asp Gln
 35 40 45
 Val Leu Lys Ala Leu Ser Phe Pro Lys Lys Lys Ala Ala Leu Leu Ser
 50 55 60
 Thr Ala Ile Leu Cys Phe Leu Arg Thr Ala Leu Arg Gln Ser Phe Ser
 65 70 75 80
 Ser Ala Trp Asn Pro Gly Ala Leu Lys Gly Pro Xaa Thr Ala Ala Thr
 85 90 95
 Lys Asp Thr Xaa Leu Thr Ser Leu Arg Met Ser Lys Xaa Gly Pro Gly
 100 105 110

His Trp Ala Xaa Lys Thr Ser Trp Cys Lys
115 120

<210> 277

<211> 282

<212> PRT

<213> Homo sapiens

<400> 277

Met Leu Ala Leu Thr Leu Ala Lys Ala Asp Ser Pro Arg Thr Ala Leu
1 5 10 15

Leu Cys Ser Ala Trp Leu Leu Thr Ala Ser Phe Ser Ala Gln Gln His
20 25 30

Lys Gly Ser Leu Gln Val His Gln Thr Leu Ser Val Glu Met Asp Gln
35 40 45

Val Leu Lys Ala Leu Ser Phe Pro Lys Lys Lys Ala Ala Leu Leu Ser
50 55 60

Ala Ala Ile Leu Cys Phe Leu Arg Thr Ala Leu Arg Gln Ser Phe Ser
65 70 75 80

Ser Ala Leu Val Ala Leu Val Pro Ser Gly Ala Gln Pro Leu Pro Ala
85 90 95

Thr Lys Asp Thr Val Leu Ala Pro Leu Arg Met Ser Gln Val Arg Ser
100 105 110

Leu Val Ile Gly Leu Gln Asn Leu Leu Val Gln Lys Asp Pro Leu Leu
115 120 125

Ser Gln Ala Cys Val Gly Cys Leu Glu Ala Leu Leu Asp Tyr Leu Asp
130 135 140

Ala Arg Ser Pro Asp Ile Ala Leu His Val Ala Ser Gln Pro Trp Asn
145 150 155 160

Arg Phe Leu Leu Phe Thr Leu Leu Asp Ala Gly Glu Asn Ser Phe Leu
165 170 175

Arg Pro Glu Ile Leu Arg Leu Met Thr Leu Phe Met Arg Tyr Arg Ser
180 185 190

Ser Ser Val Leu Ser His Glu Glu Val Gly Asp Val Leu Gln Gly Val
195 200 205

Ala Leu Ala Asp Leu Ser Thr Leu Ser Asn Thr Thr Leu Gln Ala Leu
210 215 220

His Gly Phe Phe Gln Gln Leu Gln Ser Met Gly His Leu Ala Asp His
225 230 235 240

Ser Met Ala Gln Thr Leu Gln Ala Ser Leu Glu Gly Leu Pro Pro Ser

	245		250		255										
Thr	Ser	Ser	Gly	Gln	Pro	Pro	Leu	Gln	Asp	Met	Leu	Cys	Leu	Gly	Gly
			260				265					270			
Val	Ala	Val	Ser	Leu	Ser	His	Ile	Arg	Asn						
		275					280								

<210> 278
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 278
 Met Ala Phe Gly Gln Glu Val Thr His Leu Thr Lys Thr Ser Trp Leu
 1 5 10 15
 Ala Pro Leu Arg Phe Ile Lys Gly Leu Leu Gly Pro Trp Gly Trp Ile
 20 25 30
 Leu Leu Ile Leu Asp Leu Glu
 35

<210> 279
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 279
 Met Ala Phe Gly Gln Glu Val Thr His Leu Thr Lys Thr Ser Trp Leu
 1 5 10 15
 Ala Pro Leu Arg Phe Ile Lys Gly Leu Leu Gly Pro Trp Gly Trp Ile
 20 25 30
 Leu Leu Ile Leu Asp Leu Glu
 35

<210> 280
 <211> 107
 <212> PRT
 <213> Homo sapiens

<400> 280
 Gly Leu Asp Val Gln Pro Val Ala Gln Gly Ser Lys Leu Thr Gln Glu
 1 5 10 15
 Val Arg Glu Gly Cys Leu Ala Val Ala Gly Ala Asn Gly Phe Arg Gly
 20 25 30
 Gly Tyr Asp Gly Tyr Arg Pro Ser Phe Ser Asn Thr Pro Asn Ser Gly

35 40 45
 Tyr Thr Gln Ser Gln Phe Ser Ala Pro Arg Asp Tyr Ser Gly Tyr Gln
 50 55 60
 Arg Asp Gly Tyr Gln Gln Asn Phe Lys Arg Gly Ser Gly Gln Ser Gly
 65 70 75 80
 Pro Arg Gly Ala Pro Arg Gly Arg Gly Gly Pro Pro Arg Pro Asn Arg
 85 90 95
 Gly Met Pro Gln Met Asn Thr Gln Gln Val Asn
 100 105

<210> 281
 <211> 77
 <212> PRT
 <213> Homo sapiens

<400> 281
 Met Gly Thr His Pro Lys Tyr Leu Glu Met Met Glu Leu Asp Ile Gly
 1 5 10 15
 Asp Ala Thr Gln Val Tyr Val Ala Phe Leu Val Tyr Leu Asp Leu Met
 20 25 30
 Glu Ser Lys Ser Trp His Glu Val Asn Cys Val Gly Leu Pro Glu Leu
 35 40 45
 Gln Leu Ile Cys Leu Val Gly Thr Glu Ile Glu Gly Glu Gly Leu Gln
 50 55 60
 Thr Val Val Pro Asn Pro His His Cys Phe Pro Gln Pro
 65 70 75

<210> 282
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 282
 Met Gly Gly Thr Cys Val Leu Leu Leu Ser Ser His Thr Gln Ser Cys
 1 5 10 15
 Leu Phe Val Ser Cys Cys His Cys Gln Leu Ile Val Glu Thr Ala Ile
 20 25 30
 Ser Phe Ser Tyr Ser Ala Leu Pro Ser Ala Phe Trp Pro Leu Gln Leu
 35 40 45

Pro

<210> 283
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 283
Met Asn Phe Leu Val Phe Leu Ser Leu Ser Ser Ser Leu Val Ser Ala
1 5 10 15
Ala Gly Pro Arg Phe Pro Ser Arg Glu Glu Arg Gly Val Gly Gly Val
20 25 30
Val Leu Ile Lys Ser Glu Asp Met Thr Leu Xaa Glu Arg Ser Lys Gly
35 40 45
Ser Xaa
50

<210> 284
<211> 240
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 284
Gly Glu Gly Asp Asp Lys Glu Glu Ser Val Glu Lys Leu Asp Cys His
1 5 10 15
Tyr Ser Gly His His Pro Gln Pro Ala Ser Phe Cys Thr Phe Gly Ser
20 25 30
Arg Gln Ile Gly Arg Gly Tyr Tyr Val Phe Asp Ser Arg Trp Asn Arg
35 40 45
Leu Arg Cys Ala Leu Asn Leu Met Val Glu Lys His Leu Asn Ala Gln
50 55 60
Leu Trp Xaa Lys Ile Pro Pro Val Pro Ser Thr Thr Ser Pro Ile Ser
65 70 75 80

Thr	Arg	Ile	Pro	His	Arg	Thr	Asn	Ser	Val	Pro	Thr	Ser	Gln	Cys	Gly
				85					90					95	
Val	Ser	Tyr	Leu	Ala	Ala	Ala	Thr	Val	Ser	Thr	Ser	Pro	Val	Leu	Leu
			100					105					110		
Ser	Ser	Thr	Cys	Ile	Ser	Pro	Asn	Ser	Lys	Ser	Val	Pro	Ala	His	Gly
		115					120					125			
Thr	Thr	Leu	Asn	Ala	Gln	Pro	Ala	Ala	Ser	Gly	Ala	Met	Asp	Pro	Val
	130					135					140				
Cys	Ser	Met	Gln	Ser	Arg	Gln	Val	Ser	Ser	Ser	Ser	Ser	Ser	Pro	Ser
145					150					155					160
Thr	Pro	Ser	Gly	Leu	Ser	Ser	Val	Pro	Ser	Ser	Pro	Met	Ser	Arg	Lys
			165						170					175	
Pro	Gln	Lys	Leu	Lys	Ser	Ser	Lys	Ser	Leu	Arg	Pro	Lys	Glu	Ser	Ser
			180					185					190		
Gly	Asn	Ser	Thr	Asn	Cys	Gln	Asn	Ala	Ser	Ser	Ser	Thr	Ser	Gly	Gly
		195					200					205			
Ser	Gly	Lys	Lys	Arg	Lys	Asn	Ser	Ser	Pro	Leu	Leu	Val	His	Ser	Ser
	210					215					220				
Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	His	Ser	Met	Gly	Val	Phe
225					230					235					240

<210> 285

<211> 43

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 285

Tyr	Ser	Met	Val	Tyr	Met	Xaa	His	Ile	Phe	Leu	Ile	Gln	Ser	Ile	Ile
1				5					10					15	

Asp	Gly	His	Leu	Gly	Trp	Phe	Gln	Val	Phe	Ala	Ile	Val	Asn	Ser	Ala
			20					25					30		

Thr	Val	Asn	Ile	Arg	Val	His	Val	Ser	Leu	Trp
		35				40				

<210> 286
<211> 56
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 286
Phe Ala Xaa Xaa Asp Gly Phe Gln Leu His Pro Cys Pro Xaa Lys Gly
1 5 10 15
His Glu Leu Ile Xaa Phe Tyr Gly Cys Ile Val Phe His Gly Val Tyr
20 25 30
Val Pro His Phe Leu Asn Leu Val Cys His Cys Trp Thr Phe Gly Leu
35 40 45
Val Pro Ser Leu Cys Tyr Cys Glu
50 55

<210> 287
<211> 75
<212> PRT
<213> Homo sapiens

<400> 287
Met Ser Trp Leu Phe Pro Ala Thr Ile Leu Phe Glu Glu Lys Ile Cys
1 5 10 15
Phe Ser Leu Phe Pro Arg Lys Leu Val Gly Gln His Gly His Tyr Ser
20 25 30
Ser Cys Ala Val Thr Pro Ala Pro Arg Cys Leu Glu Leu Ser Val Leu
35 40 45
Thr Phe Met His Asp Cys Lys Ala Ser Trp Ser Ile Phe Tyr Gly Ala

<211> 223
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (132)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 290

Ala	Trp	Tyr	Leu	Leu	Arg	Val	Gln	Val	Leu	Gln	Leu	Val	Ala	Ala	Tyr
1				5					10					15	
Leu	Ser	Leu	Pro	Ser	Asn	Asn	Leu	Ser	His	Ser	Leu	Trp	Glu	Gln	Leu
			20					25					30		
Cys	Ala	Gln	Gly	Trp	Gln	Thr	Pro	Glu	Ile	Ala	Leu	Ile	Asp	Ser	His
		35					40					45			
Lys	Leu	Leu	Arg	Ser	Ile	Ile	Leu	Leu	Leu	Met	Gly	Ser	Asp	Ile	Leu
	50					55					60				
Ser	Thr	Gln	Lys	Ala	Ala	Val	Glu	Thr	Ser	Phe	Leu	Asp	Tyr	Gly	Glu
65					70					75					80
Asn	Leu	Val	Gln	Lys	Trp	Gln	Val	Leu	Ser	Glu	Val	Leu	Ser	Cys	Ser
				85					90					95	
Glu	Lys	Leu	Val	Cys	His	Leu	Gly	Arg	Leu	Gly	Ser	Val	Ser	Glu	Ala
			100					105					110		
Lys	Ala	Phe	Cys	Leu	Glu	Ala	Leu	Lys	Leu	Thr	Thr	Lys	Leu	Gln	Ile
	115						120					125			
Pro	Arg	Gln	Xaa	Ala	Leu	Phe	Leu	Val	Leu	Lys	Gly	Glu	Leu	Glu	Leu
	130					135					140				
Ala	Arg	Asn	Asp	Ile	Asp	Leu	Cys	Gln	Ser	Asp	Leu	Gln	Gln	Val	Leu
145					150					155					160
Phe	Leu	Leu	Glu	Ser	Cys	Thr	Glu	Phe	Gly	Gly	Val	Thr	Gln	His	Leu
				165					170					175	
Asp	Ser	Val	Lys	Lys	Val	His	Leu	Gln	Lys	Gly	Lys	Gln	Gln	Ala	Gln
			180					185					190		
Val	Pro	Cys	Pro	Pro	Gln	Leu	Pro	Glu	Glu	Glu	Leu	Phe	Leu	Arg	Gly
		195				200						205			
Pro	Ala	Leu	Glu	Leu	Val	Pro	Leu	Trp	Pro	Arg	Ser	Leu	Ala	Pro	
	210					215					220				

<210> 291
<211> 8
<212> PRT

<213> Homo sapiens

<400> 291

Ala Trp Phe Leu Val Lys Pro Glu
1 5

<210> 292

<211> 223

<212> PRT

<213> Homo sapiens

<400> 292

Ala Trp Tyr Leu Leu Arg Val Gln Val Leu Gln Leu Val Ala Ala Tyr
1 5 10 15

Leu Ser Leu Pro Ser Asn Asn Leu Ser His Ser Leu Trp Glu Gln Leu
20 25 30

Cys Ala Gln Gly Trp Gln Thr Pro Glu Ile Ala Leu Ile Asp Ser His
35 40 45

Lys Leu Leu Arg Ser Ile Ile Leu Leu Leu Met Gly Ser Asp Ile Leu
50 55 60

Ser Thr Gln Lys Ala Ala Val Glu Thr Ser Phe Leu Asp Tyr Gly Glu
65 70 75 80

Asn Leu Val Gln Lys Trp Gln Val Leu Ser Glu Val Leu Ser Cys Ser
85 90 95

Glu Lys Leu Val Cys His Leu Gly Arg Leu Gly Ser Val Ser Glu Ala
100 105 110

Lys Ala Phe Cys Leu Glu Ala Leu Lys Leu Thr Thr Lys Leu Gln Ile
115 120 125

Pro Arg Gln Cys Ala Leu Phe Leu Val Leu Lys Gly Glu Leu Glu Leu
130 135 140

Ala Arg Asn Asp Ile Asp Leu Cys Gln Ser Asp Leu Gln Gln Val Leu
145 150 155 160

Phe Leu Leu Glu Ser Cys Thr Glu Phe Gly Gly Val Thr Gln His Leu
165 170 175

Asp Ser Val Lys Lys Val His Leu Gln Lys Gly Lys Gln Gln Ala Gln
180 185 190

Val Pro Cys Pro Pro Gln Leu Pro Glu Glu Glu Leu Phe Leu Arg Gly
195 200 205

Pro Ala Leu Glu Leu Val Pro Leu Trp Pro Arg Ser Leu Ala Pro
210 215 220

<210> 293
<211> 88
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 293
Ala Asp Pro Ser Pro Ser Xaa Trp Leu Gln Thr His Arg Gly Pro Arg
1 5 10 15
Leu Leu Trp Pro His His Gln Gln Leu Leu Leu Ser Phe Xaa Glu Pro
20 25 30
Arg Lys Pro Leu Ile Leu Leu Leu Pro Val Xaa Ala Pro Xaa Ser Leu
35 40 45
Lys Pro His Ser Cys Ile Pro Phe Ser Leu Asp Ile Thr Pro Pro Thr
50 55 60
Pro Trp Leu Asn Phe Leu Pro Val Val Ala Trp Ser Phe Gly His Cys
65 70 75 80
Pro Gly Leu Phe Leu Ser Pro Ser
85

<210> 294
<211> 80
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 294
Met His His His Thr Arg Leu Val Phe Val Phe Leu Val Glu Met Gly
1 5 10 15
Phe His His Val Gly Gln Ala Gly Leu Glu Leu Leu Thr Ser Ser Asp
20 25 30
Leu Pro Ala Leu Ala Ser Gln Ser Ala Gly Ile Thr Gly Val Ser His
35 40 45
Cys Ala Gln Leu Pro Phe Leu Pro Leu Lys Ser Lys Xaa Gly Trp Glu
50 55 60
Leu Ser Pro Trp Xaa Phe Met Val Ala Lys Xaa Leu Asn Pro Val Ala
65 70 75 80

<210> 295
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 295
Met Val Ala Xaa Leu Leu Ile Leu Leu Leu Asp Ser Gly Xaa Leu Leu
1 5 10 15

Ala Gly

<210> 296
<211> 126

<212> PRT

<213> Homo sapiens

<400> 296

Ala Thr Thr Ser Val Pro Lys Tyr Val Phe Asn Leu Asn Phe Ile Leu
1 5 10 15

Met Cys Leu Arg Asp Glu Ser Lys Tyr Met Leu Val Thr Ser His Ser
20 25 30

Asn Val Glu Val Gly Arg Trp Leu Pro Gly Leu Pro Ser Pro Gly Arg
35 40 45

Ile Cys Gly Glu Gln Ser Asp Val His Pro Ser Gly Leu Phe Ser Ile
50 55 60

Asn Asp Ser Leu Leu Asp Leu Leu Leu Leu Gly Phe Arg Ser Lys Arg
65 70 75 80

Gly Ile Val Val Glu Asn Ala Leu Leu Gly Glu Gly Glu Pro Glu Ile
85 90 95

His Lys Arg Arg Leu Pro Cys Ser Phe Ala Tyr Leu Ala Ala Pro Arg
100 105 110

Leu Gly Val Arg Ile Pro Gly Phe Pro Ser Leu Leu Cys His
115 120 125

<210> 297

<211> 26

<212> PRT

<213> Homo sapiens

<400> 297

Met Pro Val Val Leu Phe Gln Leu Trp Leu Phe Ile Leu Lys Thr Asp
1 5 10 15

Asn Ala Phe Ala Trp Leu Lys Ile Arg Arg
20 25

<210> 298

<211> 136

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 298

Pro Ser Xaa Met Leu Leu Leu Trp Ala Ser Ser Leu Pro Thr Arg Cys
1 5 10 15

Asp Cys Ser Phe Pro Val Thr Pro Leu Val Pro Leu Val His Val Ile
20 25 30

Cys Val Trp Val Met Phe Pro Ser Ala Ala Thr Ala Ala Cys His Pro
35 40 45

Gly Ala Gly Ala Phe Phe Ser Gln Gly Pro Ser Pro Phe Ser Arg Thr
50 55 60

Trp Pro Xaa Leu Gly His Arg Glu Ile Pro Ala Glu Gly Ala Gly Glu
65 70 75 80

Thr Val Ala Leu Gly Leu Gln Pro Lys Arg His Thr Leu Ala Val Gly
85 90 95

Val His Gly Met Leu Ala Leu Ser Thr Val Thr Val Gly Gly Phe Gly
100 105 110

Gly Phe Pro Trp Thr Ser Gly Pro Gly Cys Pro Pro Leu Ser Trp Thr
115 120 125

Cys Phe Ile Phe Pro Ile Leu Thr
130 135

<210> 299

<211> 19

<212> PRT

<213> Homo sapiens

<400> 299

Gln Ile Trp Pro Phe Leu Pro Pro Ser Gln Pro Ser Gly Pro Leu Gln
1 5 10 15

Arg Ala Val

<210> 300

<211> 133

<212> PRT

<213> Homo sapiens

<400> 300

Met Leu Leu Leu Trp Ala Ser Ser Leu Pro Thr Arg Cys Asp Cys Ser
1 5 10 15

Phe Pro Val Thr Pro Leu Val Pro Leu Val His Val Ile Cys Val Trp
20 25 30

Val Met Phe Pro Ser Ala Ala Thr Ala Ala Cys His Pro Gly Ala Gly
 35 40 45
 Ala Phe Phe Ser Gln Gly Pro Ser Pro Phe Ser Arg Thr Trp Pro Leu
 50 55 60
 Leu Gly His Arg Glu Ile Pro Ala Glu Gly Ala Gly Glu Thr Val Ala
 65 70 75 80
 Leu Gly Leu Gln Pro Lys Arg His Thr Leu Ala Val Gly Val His Gly
 85 90 95
 Met Leu Ala Leu Ser Thr Val Thr Val Gly Gly Phe Gly Gly Phe Pro
 100 105 110
 Trp Thr Ser Gly Pro Gly Cys Pro Pro Leu Ser Trp Thr Cys Phe Ile
 115 120 125
 Phe Pro Ile Leu Thr
 130

<210> 301
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 301
 Ser Ser Leu Lys Asn Gln Val Ser Val Ser Gln
 1 5 10

<210> 302
 <211> 495
 <212> PRT
 <213> Homo sapiens

<400> 302
 Met Lys His Leu Trp Phe Phe Leu Leu Leu Val Ala Ala Pro Arg Trp
 1 5 10 15
 Val Leu Ser Gln Val Glu Leu Gln Glu Ser Gly Pro Gly Leu Val Lys
 20 25 30
 Pro Ser Gln Thr Leu Ser Leu Thr Cys Ser Val Ser Gly Val Ser Met
 35 40 45
 Ser Arg Gly Asp Trp Ser Trp Ser Trp Val Arg Gln Val Pro Gly Lys
 50 55 60
 Gly Leu Glu Trp Ile Gly His Ile Asp Tyr Thr Gly Lys Thr Asp Tyr
 65 70 75 80
 Lys Ser Ser Leu Lys Asn Gln Val Ser Ile Ser Gln Asp Thr Ala Lys

85					90					95					
Asn	Gln	Phe	Phe	Leu	Arg	Val	Glu	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala
			100					105					110		
Val	Tyr	Phe	Gys	Ala	Arg	Leu	Phe	Glu	Ser	Ser	Gly	Tyr	Gly	Ala	Trp
		115					120					125			
Leu	Asp	Pro	Trp	Gly	Pro	Gly	Ile	Leu	Val	Thr	Val	Ser	Ser	Ala	Ser
	130					135					140				
Pro	Thr	Ser	Pro	Lys	Val	Phe	Pro	Leu	Ser	Leu	Cys	Ser	Thr	Gln	Pro
145						150					155				160
Asp	Gly	Asn	Val	Val	Ile	Ala	Cys	Leu	Val	Gln	Gly	Phe	Phe	Pro	Gln
				165					170					175	
Glu	Pro	Leu	Ser	Val	Thr	Trp	Ser	Glu	Ser	Gly	Gln	Gly	Val	Thr	Ala
		180						185					190		
Arg	Asn	Phe	Pro	Pro	Ser	Gln	Asp	Ala	Ser	Gly	Asp	Leu	Tyr	Thr	Thr
		195					200					205			
Ser	Ser	Gln	Leu	Thr	Leu	Pro	Ala	Thr	Gln	Cys	Leu	Ala	Gly	Lys	Ser
	210					215					220				
Val	Thr	Cys	His	Val	Lys	His	Tyr	Thr	Asn	Pro	Ser	Gln	Asp	Val	Thr
225						230					235				240
Val	Pro	Cys	Pro	Val	Pro	Ser	Thr	Pro	Pro	Thr	Pro	Ser	Pro	Ser	Thr
			245						250					255	
Pro	Pro	Thr	Pro	Ser	Pro	Ser	Cys	Cys	His	Pro	Arg	Leu	Ser	Leu	His
			260					265					270		
Arg	Pro	Ala	Leu	Glu	Asp	Leu	Leu	Leu	Gly	Ser	Glu	Ala	Asn	Leu	Thr
		275					280					285			
Cys	Thr	Leu	Thr	Gly	Leu	Arg	Asp	Ala	Ser	Gly	Val	Thr	Phe	Thr	Trp
	290					295					300				
Thr	Pro	Ser	Ser	Gly	Lys	Ser	Ala	Val	Gln	Gly	Pro	Pro	Asp	Arg	Asp
305						310					315				320
Leu	Cys	Gly	Cys	Tyr	Ser	Val	Ser	Ser	Val	Leu	Pro	Gly	Cys	Ala	Glu
			325						330					335	
Pro	Trp	Asn	His	Gly	Lys	Thr	Phe	Thr	Cys	Thr	Ala	Ala	Tyr	Pro	Glu
			340					345					350		
Ser	Lys	Thr	Pro	Leu	Thr	Ala	Thr	Leu	Ser	Lys	Ser	Gly	Asn	Thr	Phe
		355					360					365			
Arg	Pro	Glu	Val	His	Leu	Leu	Pro	Pro	Pro	Ser	Glu	Glu	Leu	Ala	Leu
		370					375					380			
Asn	Glu	Leu	Val	Thr	Leu	Thr	Cys	Leu	Ala	Arg	Gly	Phe	Ser	Pro	Lys

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 304

Gln Arg Ile His Xaa Gly Glu Lys Pro Tyr Glu Cys Asn Lys Cys Gly
1 5 10 15

Lys Ala Phe Thr Val Tyr Gly Gln Leu Ile Gly His Gln Ser Val His
20 25 30

Thr Gly Glu Lys Pro Phe Glu Cys Lys Glu Cys Gly Lys Ala Phe Arg
35 40 45

Leu Asn Ser Phe Leu Thr Glu His Gln Arg Val His Thr Gly Glu Lys
50 55 60

Pro Phe Lys Cys Lys Lys Cys Gly Lys Thr Phe Arg Tyr Ser Ser Ala
65 70 75 80

Leu Lys Val His Leu Arg Lys His Met Ser Val Ile Pro
85 90

<210> 305

<211> 9

<212> PRT

<213> Homo sapiens

<400> 305

Met Trp Val Cys Ser Ile Thr Asp Gln
1 5

<210> 306

<211> 264

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (63)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (88)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (170)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (171)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 306
 Thr Trp Gly Lys Xaa Lys Xaa Pro Phe Ile Glu Ser Xaa Pro Gly Gly
 1 5 10 15
 Lys Ile Gly Trp Gly Lys Lys Gly Leu Phe Phe Leu Lys Val Asn Tyr
 20 25 30
 Trp Gly Lys Lys Ala Phe Asn Pro Arg Gly His Ser Lys Lys Val Thr
 35 40 45
 Phe His Gln Leu Gly Leu Lys Lys Asn Pro Phe Trp Gly Leu Xaa Lys
 50 55 60
 Glu Val Leu Gly Lys Ala Phe Ser Thr Phe Ser Tyr Leu Val Gln His
 65 70 75 80
 Gln Arg Ile His Thr Ser Glu Xaa Pro Tyr Glu Cys Lys Glu Cys Gly
 85 90 95
 Lys Ala Phe Ser Thr Ser Ser Pro Leu Ala Lys His Gln Arg Ile His
 100 105 110
 Thr Gly Glu Lys Pro Tyr Glu Cys Lys Glu Cys Gly Lys Ser Phe Thr
 115 120 125
 Val Tyr Gly Gln Leu Thr Arg His Gln Ser Ile His Thr Gly Glu Lys
 130 135 140
 Pro Phe Glu Cys Lys Glu Cys Gly Lys Ala Phe Arg Leu Ser Ser Phe
 145 150 155 160
 Leu His Ala His Gln Arg Ile His Ala Xaa Xaa Lys Pro Tyr Gly Cys
 165 170 175
 Lys Glu Cys Gly Lys Thr Phe Ser Arg Ala Ser Tyr Leu Val Gln His
 180 185 190

Gly Arg Leu His Thr Gly Glu Lys Pro Cys Glu Cys Lys Glu Cys Gly
 195 200 205
 Lys Ala Phe Ser Thr Gly Ser Tyr Leu Val Gln His Gln Arg Ile His
 210 215 220
 Thr Gly Glu Lys Pro Tyr Glu Cys Lys Glu Cys Gly Lys Ala Phe Ile
 225 230 235 240
 Ser Arg His Gln Leu Thr Val His Gln Arg Val His Thr Gly Glu Lys
 245 250 255
 Pro Tyr Lys Cys Lys Glu Glu Gly
 260

<210> 307
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 307
 Met Trp Val Cys Ser Ile Thr Asp Gln
 1 5

<210> 308
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 308
 Leu Thr Tyr Leu Ala His Leu Leu Cys Phe
 1 5 10

<210> 309
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 309
 Met Cys Ser Leu Ser Ser Glu His Leu Ala
 1 5 10

<210> 310
 <211> 465
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (44)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 310
 Asn Arg Arg Asn Gly Ala Ser Gln Ile Thr Trp Cys Ser Gly Gln Xaa
 1 5 10 15
 Lys Ser Ser Lys Trp Ala Arg Glu Ile Gly Xaa Tyr Gln Thr Gly Val
 20 25 30
 Tyr Gln Pro Gly Trp Gly Pro Gln Arg His Ala Xaa Gly Glu Ile Ala
 35 40 45
 Thr Arg Ala Ile Ser Met Leu Ala Ile Leu Thr Gly Asn Val Gly Ile
 50 55 60
 Asn Gly Gly Asn Ser Gly Ala Arg Glu Gly Ser Tyr Ser Leu Pro Phe
 65 70 75 80
 Val Arg Met Pro Thr Leu Glu Asn Pro Ile Gln Thr Ser Ile Ser Met
 85 90 95
 Phe Met Trp Thr Asp Ala Ile Glu Arg Gly Pro Glu Met Thr Ala Leu
 100 105 110
 Arg Asp Gly Val Arg Gly Lys Asp Lys Leu Asp Val Pro Ile Lys Met
 115 120 125
 Ile Trp Asn Tyr Ala Gly Asn Cys Leu Ile Asn Gln His Ser Glu Ile
 130 135 140
 Asn Arg Thr His Glu Ile Leu Gln Asp Asp Lys Lys Cys Glu Leu Ile
 145 150 155 160
 Val Val Ile Asp Cys His Met Thr Ser Ser Ala Lys Tyr Ala Asp Ile
 165 170 175
 Leu Leu Pro Asp Cys Thr Ala Ser Glu Gln Met Asp Phe Ala Leu Asp
 180 185 190
 Ala Ser Cys Gly Asn Met Ser Tyr Val Ile Phe Asn Asp Gln Val Ile
 195 200 205
 Lys Pro Arg Phe Glu Cys Lys Thr Ile Tyr Glu Met Thr Ser Glu Leu
 210 215 220

Ala Lys Arg Leu Gly Val Glu Gln Gln Phe Thr Glu Gly Arg Thr Gln
 225 230 235 240
 Glu Glu Trp Met Arg His Leu Tyr Ala Gln Ser Arg Glu Ala Ile Pro
 245 250 255
 Glu Leu Pro Thr Phe Glu Glu Phe Arg Lys Gln Gly Ile Phe Lys Lys
 260 265 270
 Arg Asp Pro Gln Gly His His Val Ala Tyr Lys Ala Phe Arg Glu Asp
 275 280 285
 Pro Gln Ala Asn Pro Leu Thr Thr Pro Ser Gly Lys Ile Glu Ile Tyr
 290 295 300
 Ser Gln Ala Leu Ala Asp Ile Ala Ala Thr Trp Glu Leu Pro Glu Gly
 305 310 315 320
 Asp Val Ile Asp Pro Leu Pro Ile Tyr Thr Pro Gly Phe Glu Ser Tyr
 325 330 335
 Gln Asp Pro Leu Asn Lys Gln Tyr Pro Leu Gln Leu Thr Gly Phe His
 340 345 350
 Tyr Lys Ser Arg Val His Ser Thr Tyr Gly Asn Val Asp Val Leu Lys
 355 360 365
 Ala Ala Cys Arg Gln Glu Met Trp Ile Asn Pro Leu Asp Ala Gln Lys
 370 375 380
 Arg Gly Ile His Asn Gly Asp Lys Val Arg Ile Phe Asn Asp Arg Gly
 385 390 395 400
 Glu Val His Ile Glu Ala Lys Val Thr Pro Arg Met Met Pro Gly Val
 405 410 415
 Val Ala Leu Gly Glu Gly Ala Trp Tyr Asp Pro Asp Ala Lys Arg Val
 420 425 430
 Asp Lys Gly Gly Cys Ile Asn Val Leu Thr Thr Gln Arg Pro Ser Pro
 435 440 445
 Leu Ala Lys Gly Asn Pro Ser His Thr Asn Leu Val Gln Val Glu Lys
 450 455 460
 Val
 465

<210> 311

<211> 185

<212> PRT

<213> Homo sapiens

<400> 311

Met Ala Gln Ala Asn Ser Thr Leu Gly Ala Gly Gly Trp Val Gly Asn

1	5	10	15
Gly Val Tyr Val Ser Gly Val Gln Arg Glu Tyr Asp Ala Phe Ile Thr	20	25	30
Asn Gln Leu Arg Ala Ala Gln Thr Gln Ser Ser Gly Leu Thr Ala Arg	35	40	45
Tyr Glu Gln Met Ser Lys Ile Asp Asn Met Leu Ser Thr Ser Thr Ser	50	55	60
Ser Leu Ala Thr Gln Met Gln Asp Phe Phe Thr Ser Leu Gln Thr Leu	65	70	75
Val Ser Asn Ala Glu Asp Pro Ala Ala Arg Gln Ala Leu Ile Gly Lys	85	90	95
Ser Glu Gly Leu Val Asn Gln Phe Lys Thr Thr Asp Gln Tyr Leu Arg	100	105	110
Asp Gln Asp Lys Gln Val Asn Ile Ala Ile Gly Ala Ser Val Asp Gln	115	120	125
Ile Asn Asn Tyr Ala Lys Gln Ile Ala Ser Leu Asn Asp Gln Ile Ser	130	135	140
Arg Leu Thr Gly Val Gly Ala Gly Ala Ser Pro Asn Asn Leu Leu Asp	145	150	155
Gln Arg Asp Gln Leu Gly Glu Arg Ile Lys Pro Asp Cys Trp Cys Arg	165	170	175
Ser Gln Arg Ser Gly Trp Arg His Leu	180	185	

<210> 312

<211> 56

<212> PRT

<213> Homo sapiens

<400> 312

Met Ser His Cys Ala Trp Pro Pro Leu Leu Ile Phe Ile Thr Arg Val	1	5	10	15
Gln Trp Ala Thr Ala Thr Lys Cys Gln Phe Thr Ala Lys Ser Gly Ile	20	25	30	
Gly Leu Thr Gln Gly Cys Ser Ser Val Phe Val Lys Leu Gly Leu Phe	35	40	45	
Leu Ile Cys Pro Tyr Asp Trp Glu	50	55		

<210> 313
<211> 56
<212> PRT
<213> Homo sapiens

<400> 313
Met Ser His Cys Ala Trp Pro Pro Leu Leu Ile Phe Ile Thr Arg Val
1 5 10 15
Gln Trp Ala Thr Ala Thr Lys Cys Gln Phe Thr Ala Lys Ser Gly Ile
20 25 30
Gly Leu Thr Gln Gly Cys Ser Ser Val Phe Val Lys Leu Gly Leu Phe
35 40 45
Leu Ile Cys Pro Tyr Asp Trp Glu
50 55

<210> 314
<211> 42
<212> PRT
<213> Homo sapiens

<400> 314
Leu Pro Ala Arg Leu Leu Gln Arg Ser Pro Arg Arg Cys Arg Arg Arg
1 5 10 15
Arg Val Pro Ser Pro Ser Leu Ala His Val Gly Arg Arg Val Gln Pro
20 25 30
Cys Tyr Ser Arg Ala Pro Pro Leu Ser Ser
35 40

<210> 315
<211> 146
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 315
Met Ala Ala Leu Leu Leu Xaa Pro Leu Leu Leu Leu Leu Pro Leu Leu
1 5 10 15
Leu Leu Lys Leu His Leu Trp Pro Gln Leu Arg Trp Leu Pro Ala Ala
20 25 30
Thr Ala Ala Arg Gly Ala Leu Glu Lys Ala Ser Gly Gln Arg Arg Glu
35 40 45

Pro Glu Met Gln Arg Pro Glu Ala Ala Arg Ser Leu Pro Glu Gly Thr
 50 55 60
 Val Pro Pro Glu Val Glu Glu Pro Pro Pro Leu Cys His Leu Glu Gln
 65 70 75 80
 Leu Trp Arg Cys Ser Ser Pro Leu Ala Gln Ser Phe Cys Gly Ser Gly
 85 90 95
 Ser Gly Trp Pro Arg Pro Ala Cys Ala Leu Pro Leu Cys Pro Pro Pro
 100 105 110
 Cys Ala Gly Ala Pro Cys Cys Thr Ala Ser Ala Ala Ala Arg Ala
 115 120 125
 Arg Trp Cys Trp Arg Gln Ser Phe Trp Ser Pro Trp Ser Arg Thr Cys
 130 135 140
 Pro Pro
 145

<210> 316
 <211> 174
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (151)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (161)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (164)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 316
 Met Ala Ala Leu Leu Leu Leu Pro Leu Leu Leu Leu Leu Pro Leu Leu
 1 5 10 15

Leu Leu Lys Leu His Leu Trp Pro Gln Leu Arg Trp Leu Pro Ala Asp
 20 25 30

Leu Ala Phe Ala Val Arg Ala Leu Cys Cys Lys Arg Ala Leu Arg Ala
 35 40 45

Arg Ala Leu Ala Ala Ala Ala Asp Pro Glu Gly Pro Glu Gly Gly
 50 55 60

Cys Ser Leu Ala Trp Arg Leu Ala Glu Leu Ala Gln Gln Arg Ala Ala

65		70		75		80
His Thr Phe Leu Ile His Gly Ser Arg Arg Phe Ser Tyr Ser Glu Ala						
		85		90		95
Glu Arg Glu Ser Asn Arg Ala Ala Arg Ala Phe Leu Arg Ala Leu Gly						
		100		105		110
Trp Asp Trp Gly Pro Asp Gly Gly Asp Ser Gly Glu Gly Ser Ala Gly						
		115		120		125
Glu Gly Glu Arg Ala Ala Pro Gly Ala Gly Asp Ala Ser Gly Arg Lys						
		130		135		140
Arg Arg Gly Val Cys Arg Xaa Gly Thr Val Pro Pro Glu Gly Gly Arg						
		145		150		155
						160
Xaa Pro Pro Xaa Pro Phe Val Thr Leu Glu Ala Asn Cys Gly						
		165		170		

<210> 317
 <211> 119
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (78)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 317
Gln Trp Gly Gly Gly Gln Leu Met Glu Leu Val Pro Leu Xaa Cys Ala
1 5 10 15
Phe Pro Gly Val Gly Ser Trp Gly Trp Glu Gln Gly Lys Ala Ala Ser
20 25 30
Ser Leu Gly Phe Leu Leu Cys Leu Pro Arg Val Ala Ala Asn Pro Val
35 40 45
Pro Ala Gly Gly Ala Gly Met Ala Ser Cys Pro Gly Leu Trp Gln Glu
50 55 60
Thr Leu Phe Pro Leu Pro Val Gly Leu Pro Arg Leu Ser Xaa Pro Phe
65 70 75 80
Ser His Lys Lys Ile Trp Gly Gln Ala Arg Trp Leu Thr Pro Val Ile
85 90 95
Pro Ala Leu Trp Glu Ala Glu Ala Gly Ser His Lys Val Arg Arg Ser

100	105	110
Gly Pro Ser Trp Leu Ile Arg		
115		
<210> 318		
<211> 234		
<212> PRT		
<213> Homo sapiens		
<400> 318		
Met Ala Ala Leu Leu Leu Leu Pro Leu Leu Leu Leu Leu Pro Leu Leu		
1 5 10 15		
Leu Leu Lys Leu His Leu Trp Pro Gln Leu Arg Trp Leu Pro Ala Asp		
20 25 30		
Leu Ala Phe Ala Val Arg Ala Leu Cys Cys Lys Arg Ala Leu Arg Ala		
35 40 45		
Arg Ala Leu Ala Ala Ala Ala Asp Pro Glu Gly Pro Glu Gly Gly		
50 55 60		
Cys Ser Leu Ala Trp Arg Leu Ala Glu Leu Ala Gln Gln Arg Ala Ala		
65 70 75 80		
His Thr Phe Leu Ile His Gly Ser Arg Arg Phe Ser Tyr Ser Glu Ala		
85 90 95		
Glu Arg Glu Ser Asn Arg Ala Ala Arg Ala Phe Leu Arg Ala Leu Gly		
100 105 110		
Trp Asp Trp Gly Pro Asp Gly Gly Asp Ser Gly Glu Gly Ser Ala Gly		
115 120 125		
Glu Gly Glu Arg Ala Ala Pro Gly Ala Gly Asp Ala Ala Ala Gly Ser		
130 135 140		
Gly Ala Glu Phe Ala Gly Gly Asp Gly Ala Ala Arg Gly Gly Gly Ala		
145 150 155 160		
Ala Ala Leu Cys His Leu Glu Gln Leu Trp Arg Cys Ser Ser Pro Leu		
165 170 175		
Ala Gln Ser Phe Cys Gly Ser Gly Ser Gly Trp Pro Arg Pro Ala Cys		
180 185 190		
Ala Leu Pro Leu Cys Pro Pro Pro Cys Ala Gly Ala Pro Cys Cys Thr		
195 200 205		
Ala Ser Ala Ala Ala Ala Arg Ala Arg Trp Cys Trp Arg Gln Ser Phe		
210 215 220		
Trp Ser Pro Trp Ser Arg Thr Cys Pro Pro		
225 230		

<210> 319
<211> 683
<212> PRT
<213> Homo sapiens

<400> 319

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Met Ala Ala Leu Leu Leu Leu Pro Leu Leu Leu Leu Leu Pro Leu Leu
  1           5           10           15

Leu Leu Lys Leu His Leu Trp Pro Gln Leu Arg Trp Leu Pro Ala Asp
      20           25           30

Leu Ala Phe Ala Val Arg Ala Leu Cys Cys Lys Arg Ala Leu Arg Ala
      35           40           45

Arg Ala Leu Ala Ala Ala Ala Asp Pro Glu Gly Pro Glu Gly Gly
      50           55           60

Cys Ser Leu Ala Trp Arg Leu Ala Glu Leu Ala Gln Gln Arg Ala Ala
      65           70           75           80

His Thr Phe Leu Ile His Gly Ser Arg Arg Phe Ser Tyr Ser Glu Ala
      85           90           95

Glu Arg Glu Ser Asn Arg Ala Ala Arg Ala Phe Leu Arg Ala Leu Gly
      100          105          110

Trp Asp Trp Gly Pro Asp Gly Gly Asp Ser Gly Glu Gly Ser Ala Gly
      115          120          125

Glu Gly Glu Arg Ala Ala Pro Gly Ala Gly Asp Ala Ala Ala Gly Ser
      130          135          140

Gly Ala Glu Phe Ala Gly Gly Asp Gly Ala Ala Arg Gly Gly Gly Ala
      145          150          155          160

Ala Ala Pro Leu Ser Pro Gly Ala Thr Val Ala Leu Leu Leu Pro Ala
      165          170          175

Gly Pro Glu Phe Leu Trp Leu Trp Phe Gly Leu Ala Lys Ala Gly Leu
      180          185          190

Arg Thr Ala Phe Val Pro Thr Ala Leu Arg Arg Gly Pro Leu Leu His
      195          200          205

Cys Leu Arg Ser Cys Gly Ala Arg Ala Leu Val Leu Ala Pro Glu Phe
      210          215          220

Leu Glu Ser Leu Glu Pro Asp Leu Pro Ala Leu Arg Ala Met Gly Leu
      225          230          235          240

His Leu Trp Ala Ala Gly Pro Gly Thr His Pro Ala Gly Ile Ser Asp
      245          250          255
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Leu Leu Ala Glu Val Ser Ala Glu Val Asp Gly Pro Val Pro Gly Tyr
 260 265 270

Leu Ser Ser Pro Gln Ser Ile Thr Asp Thr Cys Leu Tyr Ile Phe Thr
 275 280 285

Ser Gly Thr Thr Gly Leu Pro Lys Ala Ala Arg Ile Ser His Leu Lys
 290 295 300

Ile Leu Gln Cys Gln Gly Phe Tyr Gln Leu Cys Gly Val His Gln Glu
 305 310 315 320

Asp Val Ile Tyr Leu Ala Leu Pro Leu Tyr His Met Ser Gly Ser Leu
 325 330 335

Leu Gly Ile Val Gly Cys Met Gly Ile Gly Ala Thr Val Val Leu Lys
 340 345 350

Ser Lys Phe Ser Ala Gly Gln Phe Trp Glu Asp Cys Gln Gln His Arg
 355 360 365

Val Thr Val Phe Gln Tyr Ile Gly Glu Leu Cys Arg Tyr Leu Val Asn
 370 375 380

Gln Pro Pro Ser Lys Ala Glu Arg Gly His Lys Val Arg Leu Ala Val
 385 390 395 400

Gly Ser Gly Leu Arg Pro Asp Thr Trp Glu Arg Phe Val Arg Arg Phe
 405 410 415

Gly Pro Leu Gln Val Leu Glu Thr Tyr Gly Leu Thr Glu Gly Asn Val
 420 425 430

Ala Thr Ile Asn Tyr Thr Gly Gln Arg Gly Ala Val Gly Arg Ala Ser
 435 440 445

Trp Leu Tyr Lys His Ile Phe Pro Phe Ser Leu Ile Arg Tyr Asp Val
 450 455 460

Thr Thr Gly Glu Pro Ile Arg Asp Pro Gln Gly His Cys Met Ala Thr
 465 470 475 480

Ser Pro Gly Glu Pro Gly Leu Leu Val Ala Pro Val Ser Gln Gln Ser
 485 490 495

Pro Phe Leu Gly Tyr Ala Gly Gly Pro Glu Leu Ala Gln Gly Lys Leu
 500 505 510

Leu Lys Asp Val Phe Arg Pro Gly Asp Val Phe Phe Asn Thr Gly Asp
 515 520 525

Leu Leu Val Cys Asp Asp Gln Gly Phe Leu Arg Phe His Asp Arg Thr
 530 535 540

Gly Asp Thr Phe Arg Trp Lys Gly Glu Asn Val Ala Thr Thr Glu Val
 545 550 555 560

Ala Glu Val Phe Glu Ala Leu Asp Phe Leu Gln Glu Val Asn Val Tyr
 565 570 575
 Gly Val Thr Val Pro Gly His Glu Gly Arg Ala Gly Met Ala Ala Leu
 580 585 590
 Val Leu Arg Pro Pro His Ala Leu Asp Leu Met Gln Leu Tyr Thr His
 595 600 605
 Val Ser Glu Asn Leu Pro Pro Tyr Ala Arg Pro Arg Phe Leu Arg Leu
 610 615 620
 Gln Glu Ser Leu Ala Thr Thr Glu Thr Phe Lys Gln Gln Lys Val Arg
 625 630 635 640
 Met Ala Asn Glu Gly Phe Asp Pro Ser Thr Leu Ser Asp Pro Leu Tyr
 645 650 655
 Val Leu Asp Gln Ala Val Gly Ala Tyr Leu Pro Leu Thr Thr Ala Arg
 660 665 670
 Tyr Ser Ala Leu Leu Ala Gly Asn Leu Arg Ile
 675 680

<210> 320
 <211> 162
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (157)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 320
 Met Gly Pro Arg Phe Thr Met Leu Leu Ala Met Trp Leu Val Cys Gly
 1 5 10 15
 Ser Glu Pro His Pro His Ala Thr Ile Arg Gly Ser His Gly Gly Arg
 20 25 30
 Lys Val Pro Leu Val Ser Pro Asp Ser Ser Arg Pro Ala Arg Phe Leu
 35 40 45
 Arg His Thr Gly Arg Ser Arg Gly Ile Glu Arg Ser Thr Leu Glu Glu
 50 55 60
 Pro Asn Leu Gln Pro Leu Gln Arg Arg Arg Ser Val Pro Val Leu Arg
 65 70 75 80
 Leu Ala Arg Pro Thr Glu Pro Pro Ala Arg Ser Asp Ile Asn Gly Ala
 85 90 95
 Ala Val Arg Pro Glu Gln Arg Pro Ala Ala Arg Gly Ser Pro Arg Glu
 100 105 110

Met Ile Arg Asp Glu Gly Ser Ser Ala Arg Ser Arg Met Leu Arg Phe
115 120 125

Pro Ser Gly Ser Ser Ser Pro Asn Ile Leu Ala Ser Phe Ala Gly Lys
130 135 140

Asn Arg Val Trp Val Ile Ser Ser Pro His Ala Ser Xaa Gly Tyr Tyr
145 150 155 160

Arg Leu

<210> 321

<211> 509

<212> PRT

<213> Homo sapiens

<400> 321

Met Thr Trp Arg Met Gly Pro Arg Phe Thr Met Leu Leu Ala Met Trp
1 5 10 15

Leu Val Cys Gly Ser Glu Pro His Pro His Ala Thr Ile Arg Gly Ser
20 25 30

His Gly Gly Arg Lys Val Pro Leu Val Ser Pro Asp Ser Ser Arg Pro
35 40 45

Ala Arg Phe Leu Arg His Thr Gly Arg Ser Arg Gly Ile Glu Arg Ser
50 55 60

Thr Leu Glu Glu Pro Asn Leu Gln Pro Leu Gln Arg Arg Arg Ser Val
65 70 75 80

Pro Val Leu Arg Leu Ala Arg Pro Thr Glu Pro Pro Ala Arg Ser Asp
85 90 95

Ile Asn Gly Ala Ala Val Arg Pro Glu Gln Arg Pro Ala Ala Arg Gly
100 105 110

Ser Pro Arg Glu Met Ile Arg Asp Glu Gly Ser Ser Ala Arg Ser Arg
115 120 125

Met Leu Arg Phe Pro Ser Gly Ser Ser Ser Pro Asn Ile Leu Ala Ser
130 135 140

Phe Ala Gly Lys Asn Arg Val Trp Val Ile Ser Ala Pro His Ala Ser
145 150 155 160

Glu Gly Tyr Tyr Arg Leu Met Met Ser Leu Leu Lys Asp Asp Val Tyr
165 170 175

Cys Glu Leu Ala Glu Arg His Ile Gln Gln Ile Val Leu Phe His Gln
180 185 190

Ala	Gly	Glu	Glu	Gly	Gly	Lys	Val	Arg	Arg	Ile	Thr	Ser	Glu	Gly	Gln	195	200	205	
Ile	Leu	Glu	Gln	Pro	Leu	Asp	Pro	Ser	Leu	Ile	Pro	Lys	Leu	Met	Ser	210	215	220	
Phe	Leu	Lys	Leu	Glu	Lys	Gly	Lys	Phe	Gly	Met	Val	Leu	Leu	Lys	Lys	225	230	235	240
Thr	Leu	Gln	Val	Glu	Glu	Arg	Tyr	Pro	Tyr	Pro	Val	Arg	Leu	Glu	Ala	245	250	255	
Met	Tyr	Glu	Val	Ile	Asp	Gln	Gly	Pro	Ile	Arg	Arg	Ile	Glu	Lys	Ile	260	265	270	
Arg	Gln	Lys	Gly	Phe	Val	Gln	Lys	Cys	Lys	Ala	Ser	Gly	Val	Glu	Gly	275	280	285	
Gln	Val	Val	Ala	Glu	Gly	Asn	Asp	Gly	Gly	Gly	Gly	Ala	Gly	Arg	Pro	290	295	300	
Ser	Leu	Gly	Ser	Glu	Lys	Lys	Lys	Glu	Asp	Pro	Arg	Arg	Ala	Gln	Val	305	310	315	320
Pro	Pro	Thr	Arg	Glu	Ser	Arg	Val	Lys	Val	Leu	Arg	Lys	Leu	Ala	Ala	325	330	335	
Thr	Ala	Pro	Ala	Phe	Pro	Gln	Pro	Pro	Ser	Thr	Pro	Arg	Ala	Thr	Thr	340	345	350	
Leu	Pro	Pro	Ala	Pro	Ala	Thr	Thr	Val	Thr	Arg	Ser	Thr	Ser	Arg	Ala	355	360	365	
Val	Thr	Val	Ala	Ala	Arg	Pro	Met	Thr	Thr	Thr	Ala	Phe	Pro	Thr	Thr	370	375	380	
Gln	Arg	Pro	Trp	Thr	Pro	Ser	Pro	Ser	His	Arg	Pro	Pro	Thr	Thr	Thr	385	390	395	400
Glu	Val	Ile	Thr	Ala	Arg	Arg	Pro	Ser	Val	Ser	Glu	Asn	Leu	Tyr	Pro	405	410	415	
Pro	Ser	Arg	Lys	Asp	Gln	His	Arg	Glu	Arg	Pro	Gln	Thr	Thr	Arg	Arg	420	425	430	
Pro	Ser	Lys	Ala	Thr	Ser	Leu	Glu	Ser	Phe	Thr	Asn	Ala	Pro	Pro	Thr	435	440	445	
Thr	Ile	Ser	Glu	Pro	Ser	Thr	Arg	Ala	Ala	Gly	Pro	Gly	Arg	Phe	Arg	450	455	460	
Asp	Asn	Arg	Met	Asp	Arg	Arg	Glu	His	Gly	His	Arg	Asp	Pro	Asn	Val	465	470	475	480
Val	Pro	Gly	Pro	Pro	Lys	Pro	Ala	Lys	Glu	Lys	Pro	Pro	Lys	Lys	Lys	485	490	495	

Ala Gln Asp Lys Ile Leu Ser Asn Glu Tyr Glu Glu Val
500 505

<210> 322
<211> 68
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 322
Pro Pro His Leu Xaa Ser Phe Glu Phe Leu Lys Asn Val Gln Leu Arg
1 5 10 15

Pro Asp Thr Val Ala His Thr Cys Asp Pro Gly Thr Leu Gly Gly Arg
20 25 30

Gly Trp Trp Ile Thr Gly Ser Gly Asp Arg Asp Ile Leu Ala Asn Thr
35 40 45

Val Lys Arg Arg Leu Tyr Arg Lys Cys Arg Arg Leu Ala Gly His Gly
50 55 60

Gly Gly Arg Leu
65

<210> 323
<211> 58
<212> PRT
<213> Homo sapiens

<400> 323
Met Pro Asn Gln Phe Trp Lys Leu His Ile Leu Leu Phe Leu Leu Phe
1 5 10 15

Phe Leu Phe Pro Leu Val Gln Leu Cys Ile Phe Ile Leu Ile Ser Asn
20 25 30

Lys Glu Lys Lys Asn Val Cys Thr Leu Arg Lys Thr Tyr Ile Val Arg
35 40 45

His Phe Leu Trp Leu Arg Ser Phe Gln Val
50 55

<210> 324
<211> 58
<212> PRT
<213> Homo sapiens

<400> 324

Met Gln Val Phe Ser Ala Leu Leu Tyr Ser Leu Met His Phe Tyr Leu
1 5 10 15

Pro Ser Phe Thr Leu Glu Met Tyr Leu Asn Thr Leu Leu Ser His Asp
20 25 30

Leu Leu Ser Phe Phe His Cys Ser Gly Leu Val Phe Phe Val Tyr Phe
35 40 45

Lys Ser Val Thr Gly Leu Phe Ser Gly Val
50 55

<210> 325

<211> 1

<212> PRT

<213> Homo sapiens

<400> 325

Ile

1

<210> 326

<211> 7

<212> PRT

<213> Homo sapiens

<400> 326

Ile Phe Thr Cys Val Leu Tyr

1

5

<210> 327

<211> 41

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 327

Gln Thr Val Ser Ala Phe Leu Pro Pro Leu Phe Tyr Val Thr Phe Xaa
1 5 10 15

Leu Gly Lys Ile Asn Tyr Thr Lys Tyr His Ile Ile Pro Ser Tyr Lys
20 25 30

Leu Leu Pro Glu Asn Lys Ser Cys Val
35 40

<210> 328
<211> 58
<212> PRT
<213> Homo sapiens

<400> 328
Met Gln Val Phe Ser Ala Leu Leu Tyr Ser Leu Met His Phe Tyr Leu
1 5 10 15
Pro Ser Phe Thr Leu Glu Met Tyr Leu Asn Thr Leu Leu Ser His Asp
20 25 30
Leu Leu Ser Phe Phe His Cys Ser Gly Leu Val Phe Phe Val Tyr Phe
35 40 45
Lys Ser Val Thr Gly Leu Phe Ser Gly Val
50 55

<210> 329
<211> 14
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 329
Met Met Pro Ala Tyr Pro Xaa Leu Leu Ala Trp Ile Leu Phe
1 5 10

<210> 330
<211> 32
<212> PRT
<213> Homo sapiens

<400> 330
Ala Trp Ser His Leu Ser Ile Leu Leu Asn Tyr Lys Leu Gln Arg Gln
1 5 10 15
Glu Trp His Leu Phe Thr Tyr Phe Glu Phe Val Cys Asn Cys Leu Asp
20 25 30

<210> 331

<211> 188
<212> PRT
<213> Homo sapiens

<400> 331

Met	Glu	Pro	Ser	Leu	Val	His	Ile	Leu	Val	Trp	Val	Ser	Val	Pro	Pro
1				5					10					15	
Leu	Phe	Leu	Cys	Leu	Thr	His	Ser	Arg	Ser	Ile	Asn	His	Asn	Gln	Asp
			20					25					30		
Gly	Leu	Asn	Leu	Thr	Pro	Leu	Leu	Gln	Met	Pro	His	Gln	Leu	Thr	Asp
		35					40					45			
Ala	Ser	Gly	Val	Ile	Lys	Ala	Pro	Ala	Cys	His	Pro	Thr	Val	Asn	Thr
	50					55					60				
Asn	Pro	His	Lys	Glu	Asn	Glu	His	Ala	Phe	Leu	Phe	Ala	Gly	Cys	Cys
65					70					75					80
Thr	His	Ser	Leu	Asn	Arg	Val	Gly	Thr	Trp	Val	Pro	Pro	Leu	Phe	Lys
				85					90					95	
Val	Phe	Arg	Phe	Leu	Leu	Arg	Gly	Thr	Ser	Ala	Ile	Ala	Thr	Phe	Ser
			100					105					110		
Gly	His	Phe	Phe	Ser	Asp	Glu	Ala	Phe	Tyr	Pro	Gly	Glu	Pro	Gly	Arg
		115					120					125			
Leu	Gln	Gly	Asn	Gly	Val	Pro	Trp	Gln	Leu	Thr	Val	Thr	Gly	Gln	Gly
	130					135					140				
Phe	Asp	Tyr	Asp	Lys	Glu	Asp	Lys	Arg	Arg	Glu	Ala	Pro	His	Gly	Leu
145				150						155					160
Trp	Leu	Gln	His	Tyr	Arg	Ala	Ala	Arg	Asp	Pro	Arg	Ala	Trp	Val	Ser
				165					170					175	
Trp	Trp	Ser	Thr	Phe	Cys	Asp	Pro	Gly	Glu	Glu	Pro				
			180					185							

<210> 332
<211> 188
<212> PRT
<213> Homo sapiens

<400> 332

Met	Glu	Pro	Ser	Leu	Val	His	Ile	Leu	Val	Trp	Val	Ser	Val	Pro	Pro
1				5					10					15	
Leu	Phe	Leu	Cys	Leu	Thr	His	Ser	Arg	Ser	Ile	Asn	His	Asn	Gln	Asp
			20					25					30		
Gly	Leu	Asn	Leu	Thr	Pro	Leu	Leu	Gln	Met	Pro	His	Gln	Leu	Thr	Asp
		35					40					45			

Ala Ser Gly Val Ile Lys Ala Pro Ala Cys His Pro Thr Val Asn Thr
 50 55 60
 Asn Pro His Lys Glu Asn Glu His Ala Phe Leu Phe Ala Gly Cys Cys
 65 70 75 80
 Thr His Ser Leu Asn Arg Val Gly Thr Trp Val Pro Pro Leu Phe Lys
 85 90 95
 Val Phe Arg Phe Leu Leu Arg Gly Thr Ser Ala Ile Ala Thr Phe Ser
 100 105 110
 Gly His Phe Phe Ser Asp Glu Ala Phe Tyr Pro Gly Glu Pro Gly Arg
 115 120 125
 Leu Gln Gly Asn Gly Val Pro Trp Gln Leu Thr Val Thr Gly Gln Gly
 130 135 140
 Phe Asp Tyr Asp Lys Glu Asp Lys Arg Arg Glu Ala Pro His Gly Leu
 145 150 155 160
 Trp Leu Gln His Tyr Arg Ala Ala Arg Asp Pro Arg Ala Trp Val Ser
 165 170 175
 Trp Trp Ser Thr Phe Cys Asp Pro Gly Glu Glu Pro
 180 185

<210> 333
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 333
 Met Leu Cys Val Cys Val Leu Trp Met Phe Thr Val Pro Gly Ser Arg
 1 5 10 15
 Lys Asp Val Gly Glu Ala Ala Pro Ala Ser Gly Thr Gly Gln Glu Cys
 20 25 30
 Arg Met His Gly Ser Trp Ser Gly Arg Ser Leu Gly
 35 40

<210> 334
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 334
 Met Leu Cys Val Cys Val Leu Trp Met Phe Thr Val Pro Gly Ser Arg
 1 5 10 15
 Lys Asp Val Gly Glu Ala Ala Pro Ala Ser Gly Thr Gly Gln Glu Cys

20

25

30

Arg Met His Gly Ser Trp Ser Gly Arg Ser Leu Gly
 35 40

<210> 335

<211> 249

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (147)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (150)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (196)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (222)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 335

Met Val Cys Val Phe Met Cys Ile Val Gly Val Cys Val Ala Cys Cys
 1 5 10 15

Ala Cys Val Tyr Cys Gly Cys Leu Leu Ser Arg Ala Val Glu Arg Thr
 20 25 30

Ser Gly Lys Gln Pro Gln His Gln Gly Gln Ala Arg Ser Ala Glu Cys
 35 40 45

Met Glu Ala Gly Gln Val Gly Ala Trp Asp Glu Gly Ser Thr Glu Met
 50 55 60

Gln Gly Cys Gln Gly Pro Trp Asn Gln Glu Pro Met Ile Lys Ala Thr
 65 70 75 80

Val His Thr Ala Leu Glu Ala Lys Asp Ile Phe Ile Ser Gln Gly Leu
 85 90 95

Lys Ser Met Gly Gln Gly Trp Ala Pro Gly Gln Asp Trp Gly Tyr Arg
 100 105 110

Val Asp Gln Ser Pro Ser Leu Pro Pro Gly Ala Tyr Pro His Pro Phe
 115 120 125

Thr Ser Gln Val Ser Pro Pro Gln Pro Leu Gly Glu Leu Leu Leu Ile
 130 135 140
 Pro Gln Xaa Val Ala Xaa Val Thr Leu Leu Pro Glu Ala Ser Pro His
 145 150 155 160
 Pro Leu Lys His Pro Leu Pro Ala Ala His Leu Gln His Ser Gln Arg
 165 170 175
 Ala Pro Trp Pro Val Ser Thr Gly Leu Ser Leu Leu Gly Gly Ala Gly
 180 185 190
 Ala Glu Gln Xaa Pro Gly Leu Gly Val Pro Ala Pro Arg Ser Thr Pro
 195 200 205
 Ser Pro Thr Ala Ser Leu Phe Asn Leu Arg Gln Ala Val Xaa Leu Leu
 210 215 220
 Ser Leu Thr Phe Pro Leu Cys Lys Met Arg Glu Gly Thr Ala Pro Ser
 225 230 235 240
 Lys Pro Ser Phe Ser Leu Lys Pro Leu
 245

<210> 336
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 336
 Met Lys Ile Val Thr Thr Leu Tyr Cys Leu Phe Val Phe Leu Leu Asn
 1 5 10 15
 Cys Phe Gly Val Gly Gly Ser Cys Ile Phe Leu Ser Asn Arg Thr Pro
 20 25 30
 Gly Phe Ser Trp Ala His Asp Cys Pro Gln
 35 40

<210> 337
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 337
 Met Lys Ile Val Thr Thr Leu Tyr Cys Leu Phe Val Phe Leu Leu Asn
 1 5 10 15
 Cys Phe Gly Val Gly Gly Ser Cys Ile Phe Leu Ser Asn Arg Thr Pro
 20 25 30
 Gly Phe Ser Trp Ala His Asp Cys Pro Gln
 35 40

<210> 338
<211> 42
<212> PRT
<213> Homo sapiens

<400> 338
Met Lys Ile Val Thr Thr Leu Tyr Cys Leu Phe Val Phe Leu Leu Asn
1 5 10 15
Cys Phe Gly Val Gly Gly Ser Cys Ile Phe Leu Ser Asn Arg Thr Pro
20 25 30
Gly Phe Ser Trp Ala His Asp Cys Pro Gln
35 40

<210> 339
<211> 82
<212> PRT
<213> Homo sapiens

<400> 339
Leu Leu Ser Asp Val Cys Pro Ser Leu Thr Val Pro Cys Ser Ser His
1 5 10 15
Val Phe Thr Asp Cys Leu Leu Tyr Met Gln Ser Gln Arg Val Gly Pro
20 25 30
Gly Leu Glu Leu Ser Pro His Leu Pro Leu Leu Ala Pro Pro Ser Ser
35 40 45
Trp Ala Leu Ser Ser Asn Thr Val Ile Leu Ser Pro Thr Trp Leu Ile
50 55 60
Leu Ser Phe Leu Pro Ser Asn Gly His Leu Gln Lys Lys Lys Lys Lys
65 70 75 80
Thr Arg

<210> 340
<211> 265
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids
<220>

<221> SITE
 <222> (113)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (193)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (222)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (238)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (258)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 340
 Met Asp Leu Leu Gln Phe Leu Ala Phe Leu Phe Val Leu Leu Leu Ser
 1 5 10 15

 Gly Met Gly Ala Thr Gly Thr Leu Arg Thr Ser Leu Asp Pro Ser Leu
 20 25 30

 Glu Ile Tyr Lys Lys Met Phe Glu Val Lys Arg Arg Glu Gln Leu Leu
 35 40 45

 Ala Leu Lys Asn Leu Ala Gln Leu Asn Asp Ile His Gln Gln Tyr Lys
 50 55 60

 Ile Leu Asp Val Met Leu Lys Gly Leu Phe Lys Val Leu Glu Asp Ser
 65 70 75 80

 Arg Thr Val Leu Thr Ala Ala Asp Val Leu Pro Asp Gly Pro Phe Pro
 85 90 95

 Gln Asp Glu Lys Leu Lys Asp Ala Phe Ser His Val Val Glu Asn Xaa
 100 105 110

 Xaa Phe Phe Gly Asp Val Val Leu Arg Phe Pro Lys Ile Val His Tyr
 115 120 125

 Tyr Phe Asp His Asn Ser Asn Trp Asn Leu Leu Ile Arg Trp Gly Ile
 130 135 140

 Ser Phe Cys Asn Gln Thr Gly Val Phe Asn Gln Gly Pro His Ser Pro
 145 150 155 160

 Ile Leu Ser Leu Met Ala Gln Glu Leu Gly Ile Ser Glu Lys Asp Ser
 165 170 175

Asn Phe Gln Asn Pro Phe Lys Ile Asp Arg Thr Glu Phe Ile Pro Ser
 180 185 190
 Xaa Asp Pro Phe Gln Lys Ala Leu Arg Glu Glu Glu Lys Arg Arg Lys
 195 200 205
 Lys Glu Glu Lys Arg Lys Glu Ile Arg Lys Gly Pro Lys Xaa Leu Pro
 210 215 220
 Asp Ser His Leu Glu Leu Leu Gly Pro Trp Ser Ser Phe Xaa Val Gln
 225 230 235 240
 Gly Ala Thr Arg Arg Gln Val Arg Glu Gly Arg Arg Gly Trp Ser Phe
 245 250 255
 Gly Xaa Trp Leu Glu Glu Ala Pro Phe
 260 265

<210> 341
 <211> 229
 <212> PRT
 <213> Homo sapiens

<400> 341

Met Asp Leu Leu Gln Phe Leu Ala Phe Leu Phe Val Leu Leu Leu Ser
 1 5 10 15
 Gly Met Gly Ala Thr Gly Thr Leu Arg Thr Ser Leu Asp Pro Ser Leu
 20 25 30
 Glu Ile Tyr Lys Lys Met Phe Glu Val Lys Arg Arg Glu Gln Leu Leu
 35 40 45
 Ala Leu Lys Asn Leu Ala Gln Leu Asn Asp Ile His Gln Gln Tyr Lys
 50 55 60
 Ile Leu Asp Val Met Leu Lys Gly Leu Phe Lys Val Leu Glu Asp Ser
 65 70 75 80
 Arg Thr Val Leu Thr Ala Ala Asp Val Leu Pro Asp Gly Pro Cys Pro
 85 90 95
 Gln Asp Glu Lys Leu Lys Asp Ala Phe Ser His Val Val Glu Asn Thr
 100 105 110
 Ala Phe Phe Gly Asp Val Val Leu Arg Phe Pro Arg Ile Val His Tyr
 115 120 125
 Tyr Phe Asp His Asn Ser Asn Trp Asn Leu Leu Ile Arg Trp Gly Ile
 130 135 140
 Ser Phe Cys Asn Gln Thr Gly Val Phe Asn Gln Gly Pro His Ser Pro
 145 150 155 160

Ile Leu Ser Leu Met Ala Gln Glu Leu Gly Ile Ser Glu Lys Asp Ser
 165 170 175
 Asn Phe Gln Asn Pro Phe Lys Ile Asp Arg Thr Glu Phe Ile Pro Ser
 180 185 190
 Thr Asp Pro Phe Gln Lys Ala Leu Arg Glu Glu Glu Lys Arg Arg Lys
 195 200 205
 Lys Glu Glu Lys Arg Lys Glu Ile Arg Lys Gly Pro Arg Ile Ser Arg
 210 215 220
 Ser Gln Ser Glu Leu
 225

<210> 342
 <211> 88
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 342
 Xaa Xaa Glu Asp Arg Leu Pro Gly Pro Ile Leu Pro Arg Gly Phe Gln
 1 5 10 15
 Leu Trp Xaa Ser Leu Gly Gly Glu Phe Pro Arg Leu Gln Ile Arg Pro
 20 25 30
 Met Cys His Ala Pro Asn Cys Leu Ser Val Arg Pro Ser Val Arg Pro
 35 40 45
 Ser Val His Pro Ser Ile His Pro Ser Ile Pro Val Thr Ile Ser Thr
 50 55 60
 Pro Met Cys Gln Met Pro Tyr Ile Ser Asn Leu Met Gln Val Pro Pro
 65 70 75 80
 Pro Pro Cys Pro Leu Leu Ile Gln
 85

<210> 343
 <211> 162
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (138)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (152)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 343
 Met Arg Pro Arg Gly Leu Pro Pro Leu Leu Val Val Leu Leu Gly Cys
 1 5 10 15
 Trp Ala Ser Val Ser Ala Gln Thr Asp Ala Thr Pro Ala Val Thr Thr
 20 25 30
 Glu Gly Leu Asn Ser Thr Glu Ala Ala Leu Ala Thr Phe Gly Thr Phe
 35 40 45
 Pro Ser Thr Arg Pro Pro Gly Thr Pro Arg Ala Pro Gly Pro Ser Ser
 50 55 60
 Gly Pro Arg Pro Thr Pro Val Thr Asp Val Ala Val Leu Cys Val Cys
 65 70 75 80
 Asp Leu Ser Pro Ala Gln Cys Asp Ile Asn Cys Cys Cys Asp Pro Asp
 85 90 95
 Cys Ser Ser Val Asp Phe Ser Val Phe Ser Ala Cys Ser Val Pro Val
 100 105 110
 Val Thr Gly Asp Ser Gln Phe Cys Ser Gln Lys Ala Val Ile Tyr Ser
 115 120 125
 Leu Asn Phe Thr Ala Asn Pro Pro Gln Xaa Val Phe Glu Leu Val Asp
 130 135 140
 Gln Ile Asn Pro Ser Ile Phe Xaa Ile His Ile Thr Asn Cys Arg Cys
 145 150 155 160
 Ser Val

<210> 344
 <211> 274
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 344

Pro Phe Tyr Ser Ser Pro Glu Ile Leu Arg Val Pro Asp Ser Arg Lys
1 5 10 15

Lys Val Pro Ile Thr Val Gln Ser Ile Val Ile Gln Ser Leu Asn Lys
20 25 30

Thr Leu Thr Arg Arg Glu Asp Thr Asp Val Leu Gln Pro Thr Leu Val
35 40 45

Asn Ala Gly His Phe Ser Leu Xaa Val Asn Val Val Leu Glu Val Lys
50 55 60

Tyr Ser Leu Thr Tyr Thr Asp Ala Gly Glu Val Thr Lys Ala Asp Leu
65 70 75 80

Ser Phe Val Leu Gly Thr Val Ser Ser Val Val Val Pro Leu Gln Gln
85 90 95

Lys Phe Glu Ile His Phe Leu Gln Glu Asn Thr Gln Pro Val Pro Leu
100 105 110

Ser Gly Asn Pro Gly Tyr Val Val Gly Leu Pro Leu Ala Ala Gly Phe
115 120 125

Gln Pro His Lys Gly Gly Ala Leu Pro Cys Gln Leu Val Ala Gln Lys
130 135 140

Val Lys Ser Leu Leu Trp Gly Gln Gly Phe Pro Asp Tyr Val Ala Pro
145 150 155 160

Phe Gly Asn Ser Gln Ala Gln Asp Met Leu Asp Trp Val Pro Ile His
165 170 175

Phe Ile Thr Gln Ser Phe Asn Arg Lys Asp Ser Cys Gln Leu Pro Gly
180 185 190

Ala Leu Val Ile Glu Val Lys Trp Thr Lys Tyr Gly Ser Leu Leu Asn
195 200 205

Pro Gln Ala Lys Ile Val Asn Val Thr Ala Asn Leu Ile Ser Ser Ser
210 215 220

Phe Pro Glu Ala Asn Ser Gly Asn Glu Arg Thr Ile Leu Ile Ser Thr
225 230 235 240

Ala Val Thr Phe Val Asp Val Ser Ala Pro Ala Glu Ala Gly Phe Arg
245 250 255

Ala Pro Pro Ala Ile Asn Ala Arg Leu Pro Phe Asn Phe Phe Phe Pro
260 265 270

Phe Val

<210> 345
<211> 254
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 345
Thr His Leu Phe Xaa Cys Asn Ser Tyr Tyr Lys Pro Leu Thr Xaa His
1 5 10 15
Xaa Pro Phe Ile Ile Gln Lys Xaa Pro Asp Glu Asn Asn Phe Asp Thr
20 25 30
Leu Met Lys Thr Ser Asp Gly Phe Thr Leu Asn Ala Glu Ser Tyr Val
35 40 45
Ser Phe Thr Thr Lys Leu Asp Ile Pro Thr Ala Ala Lys Tyr Glu Tyr
50 55 60
Gly Val Pro Leu Gln Thr Ser Asp Ser Phe Leu Arg Phe Pro Ser Ser
65 70 75 80
Leu Thr Ser Ser Leu Cys Thr Asp Asn Asn Pro Ala Ala Phe Leu Val
85 90 95
Asn Gln Ala Val Lys Cys Thr Arg Lys Ile Asn Leu Glu Gln Cys Glu
100 105 110
Glu Ile Glu Ala Leu Ser Met Ala Phe Tyr Ser Ser Pro Glu Ile Leu
115 120 125
Arg Val Pro Asp Ser Arg Lys Lys Val Pro Ile Thr Val Gln Ser Ile
130 135 140

Val Ile Gln Ser Leu Asn Lys Thr Leu Thr Arg Arg Glu Asp Thr Asp
 145 150 155 160
 Val Leu Gln Pro Thr Leu Val Asn Ala Gly His Phe Ser Leu Cys Val
 165 170 175
 Asn Val Val Leu Glu Asp Ser Cys Gln Leu Pro Gly Ala Leu Val Ile
 180 185 190
 Glu Val Lys Trp Thr Lys Tyr Gly Ser Leu Leu Asn Pro Gln Ala Lys
 195 200 205
 Ile Val Asn Val Thr Ala Asn Leu Ile Ser Ser Ser Phe Pro Glu Asn
 210 215 220
 Ala Gln Met His Gln Phe Leu Asn Ile His Val Lys Phe Glu Asn Cys
 225 230 235 240
 Thr Phe Gly Glu Ile Lys Phe Tyr Ile Gln Leu Ala Lys Lys
 245 250

<210> 346
 <211> 587
 <212> PRT
 <213> Homo sapiens

<400> 346
 Met Arg Pro Arg Gly Leu Pro Pro Leu Leu Val Val Leu Leu Gly Cys
 1 5 10 15
 Trp Ala Ser Val Ser Ala Gln Thr Asp Ala Thr Pro Ala Val Thr Thr
 20 25 30
 Glu Gly Leu Asn Ser Thr Glu Ala Ala Leu Ala Thr Phe Gly Thr Phe
 35 40 45
 Pro Ser Thr Arg Pro Pro Gly Thr Pro Arg Ala Pro Gly Pro Ser Ser
 50 55 60
 Gly Pro Arg Pro Thr Pro Val Thr Asp Val Ala Val Leu Cys Val Cys
 65 70 75 80
 Asp Leu Ser Pro Ala Gln Cys Asp Ile Asn Cys Cys Cys Asp Pro Asp
 85 90 95
 Cys Ser Ser Val Asp Phe Ser Val Phe Ser Ala Cys Ser Val Pro Val
 100 105 110
 Val Thr Gly Asp Ser Gln Phe Cys Ser Gln Lys Ala Val Ile Tyr Ser
 115 120 125
 Leu Asn Phe Thr Ala Asn Pro Pro Gln Arg Val Phe Glu Leu Val Asp
 130 135 140

Gln	Ile	Asn	Pro	Ser	Ile	Phe	Cys	Ile	His	Ile	Thr	Asn	Tyr	Lys	Pro	145	150	155	160
Ala	Leu	Ser	Phe	Ile	Asn	Pro	Glu	Val	Pro	Asp	Glu	Asn	Asn	Phe	Asp	165	170	175	
Thr	Leu	Met	Lys	Thr	Ser	Asp	Gly	Phe	Thr	Leu	Asn	Ala	Glu	Ser	Tyr	180	185	190	
Val	Ser	Phe	Thr	Thr	Lys	Leu	Asp	Ile	Pro	Thr	Ala	Ala	Lys	Tyr	Glu	195	200	205	
Tyr	Gly	Val	Pro	Leu	Gln	Thr	Ser	Asp	Ser	Phe	Leu	Arg	Phe	Pro	Ser	210	215	220	
Ser	Leu	Thr	Ser	Ser	Leu	Cys	Thr	Asp	Asn	Asn	Pro	Ala	Ala	Phe	Leu	225	230	235	240
Val	Asn	Gln	Ala	Val	Lys	Cys	Thr	Arg	Lys	Ile	Asn	Leu	Glu	Gln	Cys	245	250	255	
Glu	Glu	Ile	Glu	Ala	Leu	Ser	Met	Ala	Phe	Tyr	Ser	Ser	Pro	Glu	Ile	260	265	270	
Leu	Arg	Val	Pro	Asp	Ser	Arg	Lys	Lys	Val	Pro	Ile	Thr	Val	Gln	Ser	275	280	285	
Ile	Val	Ile	Gln	Ser	Leu	Asn	Lys	Thr	Leu	Thr	Arg	Arg	Glu	Asp	Thr	290	295	300	
Asp	Val	Leu	Gln	Pro	Thr	Leu	Val	Asn	Ala	Gly	His	Phe	Ser	Leu	Cys	305	310	315	320
Val	Asn	Val	Val	Leu	Glu	Val	Lys	Tyr	Ser	Leu	Thr	Tyr	Thr	Asp	Ala	325	330	335	
Gly	Glu	Val	Thr	Lys	Ala	Asp	Leu	Ser	Phe	Val	Leu	Gly	Thr	Val	Ser	340	345	350	
Ser	Val	Val	Val	Pro	Leu	Gln	Gln	Lys	Phe	Glu	Ile	His	Phe	Leu	Gln	355	360	365	
Glu	Asn	Thr	Gln	Pro	Val	Pro	Leu	Ser	Gly	Asn	Pro	Gly	Tyr	Val	Val	370	375	380	
Gly	Leu	Pro	Leu	Ala	Ala	Gly	Phe	Gln	Pro	His	Lys	Gly	Ser	Gly	Ile	385	390	395	400
Ile	Gln	Thr	Thr	Asn	Arg	Tyr	Gly	Gln	Leu	Thr	Ile	Leu	His	Ser	Thr	405	410	415	
Thr	Glu	Gln	Asp	Cys	Leu	Ala	Leu	Glu	Gly	Val	Arg	Thr	Pro	Val	Leu	420	425	430	
Phe	Gly	Tyr	Thr	Met	Gln	Ser	Gly	Cys	Lys	Leu	Arg	Leu	Thr	Gly	Ala	435	440	445	

Leu Pro Cys Gln Leu Val Ala Gln Lys Val Lys Ser Leu Leu Trp Gly
 450 455 460
 Gln Gly Phe Pro Asp Tyr Val Ala Pro Phe Gly Asn Ser Gln Ala Gln
 465 470 475 480
 Asp Met Leu Asp Trp Val Pro Ile His Phe Ile Thr Gln Ser Phe Asn
 485 490 495
 Arg Lys Asp Ser Cys Gln Leu Pro Gly Ala Leu Val Ile Glu Val Lys
 500 505 510
 Trp Thr Lys Tyr Gly Ser Leu Leu Asn Pro Gln Ala Lys Ile Val Asn
 515 520 525
 Val Thr Ala Asn Leu Ile Ser Ser Ser Phe Pro Glu Ala Asn Ser Gly
 530 535 540
 Asn Glu Arg Thr Ile Leu Ile Ser Thr Ala Val Thr Phe Val Asp Val
 545 550 555 560
 Ser Ala Pro Ala Glu Ala Gly Phe Arg Ala Pro Pro Ala Ile Asn Ala
 565 570 575
 Arg Leu Pro Phe Asn Phe Phe Phe Pro Phe Val
 580 585

<210> 347
 <211> 184
 <212> PRT
 <213> Homo sapiens

<400> 347
 Met Lys Ala Leu Gly Ala Val Leu Leu Ala Leu Leu Leu Cys Gly Arg
 1 5 10 15
 Pro Gly Arg Gly Gln Thr Gln Gln Glu Glu Glu Glu Glu Asp Glu Asp
 20 25 30
 His Gly Pro Asp Asp Tyr Asp Glu Glu Asp Glu Asp Glu Val Glu Glu
 35 40 45
 Glu Glu Thr Asn Arg Leu Pro Gly Gly Arg Ser Arg Val Leu Leu Arg
 50 55 60
 Cys Tyr Thr Cys Lys Ser Leu Pro Arg Asp Glu Arg Cys Asn Leu Thr
 65 70 75 80
 Gln Asn Cys Ser His Gly Gln Thr Cys Thr Thr Leu Ile Ala His Gly
 85 90 95
 Asn Thr Glu Ser Gly Leu Leu Thr Thr His Ser Thr Trp Cys Thr Asp
 100 105 110
 Ser Cys Gln Pro Ile Thr Lys Thr Val Glu Gly Thr Gln Val Thr Met

115		120		125
Thr Cys Cys Gln Ser Ser Leu Cys Asn Val Pro Pro Trp Gln Ser Ser				
130		135		140
Arg Val Gln Asp Pro Thr Gly Lys Gly Ala Gly Gly Pro Arg Gly Ser				
145		150		155
				160
Ser Glu Thr Val Gly Ala Ala Leu Leu Leu Asn Leu Leu Ala Gly Leu				
		165		170
				175
Gly Ala Met Gly Ala Arg Arg Pro				
180				

<210> 348
 <211> 108
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (29)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (87)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 348

Met Phe Ser Leu Ser Trp Gln Leu Ser Leu Val Thr Phe Met Gly Phe
1 5 10 15
Pro Ile Xaa Met Xaa Val Ser Asn Ile Tyr Gly Lys Xaa Tyr Lys Arg
20 25 30
Leu Ser Lys Glu Val Gln Asn Ala Leu Ala Arg Ala Ser Asn Thr Ala
35 40 45
Glu Glu Thr Ile Ser Ala Met Lys Thr Val Arg Ser Phe Ala Asn Glu
50 55 60
Glu Glu Glu Ala Glu Val Tyr Leu Arg Lys Leu Gln Gln Val Tyr Lys
65 70 75 80

Leu Asn Arg Lys Glu Ala Xaa Ala Tyr Met Tyr Tyr Val Trp Gly Ser
85 90 95

Gly Leu Thr Leu Leu Val Val Gln Val Ser Ile Leu
100 105

<210> 349

<211> 219

<212> PRT

<213> Homo sapiens

<400> 349

Val Thr Ile Leu Cys Ile Asp Leu Gly Thr Asp Met Val Pro Ala Ile
1 5 10 15

Ser Leu Ala Tyr Glu Gln Ala Glu Ser Asp Ile Met Lys Arg Gln Pro
20 25 30

Arg Asn Pro Lys Thr Asp Lys Leu Val Asn Glu Arg Leu Ile Ser Met
35 40 45

Ala Tyr Gly Gln Ile Gly Met Ile Gln Ala Leu Gly Gly Phe Phe Thr
50 55 60

Tyr Phe Val Ile Leu Ala Glu Asn Gly Phe Leu Pro Ile His Leu Leu
65 70 75 80

Gly Leu Arg Val Asp Trp Asp Asp Arg Trp Ile Asn Asp Val Glu Asp
85 90 95

Ser Tyr Gly Gln Gln Trp Thr Tyr Glu Gln Arg Lys Ile Val Glu Phe
100 105 110

Thr Cys His Thr Ala Phe Phe Val Ser Ile Val Val Val Gln Trp Ala
115 120 125

Asp Leu Val Ile Cys Lys Thr Arg Arg Asn Ser Val Phe Gln Gln Gly
130 135 140

Met Lys Asn Lys Ile Leu Ile Phe Gly Leu Phe Glu Glu Thr Ala Leu
145 150 155 160

Ala Ala Phe Leu Ser Tyr Cys Pro Gly Met Gly Val Ala Leu Arg Met
165 170 175

Tyr Pro Leu Lys Pro Thr Trp Trp Phe Cys Ala Phe Pro Tyr Ser Leu
180 185 190

Leu Ile Phe Val Tyr Asp Glu Val Arg Lys Leu Ile Ile Arg Arg Arg
195 200 205

Pro Gly Gly Trp Val Glu Lys Glu Thr Tyr Tyr
210 215

<210> 350
<211> 73
<212> PRT
<213> Homo sapiens

<400> 350
Phe Ser Ser Ser Met Ser Leu Ser Phe Leu Pro Phe Leu Pro Phe Leu
1 5 10 15
Ser Pro Cys Ser Glu Thr Ala Ala Gly Ser Tyr Leu Ser Arg Pro Thr
20 25 30
Pro Phe Pro Met Val Ala Val Leu Ser Ala Gly Ala Gly Ser Cys Arg
35 40 45
Trp Arg Ile Arg Glu Lys Ser Thr Glu Gln Leu Pro Ala Glu Arg Ala
50 55 60
Gly Pro Gly Glu Pro Ser Gly Gly Ser
65 70

<210> 351
<211> 296
<212> PRT
<213> Homo sapiens

<400> 351
Met Phe Ser Leu Ser Trp Gln Leu Ser Leu Val Thr Phe Met Gly Phe
1 5 10 15
Pro Ile Ile Met Met Val Ser Asn Ile Tyr Gly Lys Tyr Tyr Lys Arg
20 25 30
Leu Ser Lys Glu Val Gln Asn Ala Leu Ala Arg Ala Ser Asn Thr Ala
35 40 45
Glu Glu Thr Ile Ser Ala Met Lys Thr Val Arg Ser Phe Ala Asn Glu
50 55 60
Glu Glu Glu Ala Glu Val Tyr Leu Arg Lys Leu Gln Gln Val Tyr Lys
65 70 75 80
Leu Asn Arg Lys Glu Ala Ala Ala Tyr Met Tyr Tyr Val Trp Gly Ser
85 90 95
Gly Leu Thr Leu Leu Val Val Gln Val Ser Ile Leu Tyr Tyr Gly Gly
100 105 110
His Leu Val Ile Ser Gly Gln Met Thr Ser Gly Asn Leu Ile Ala Phe
115 120 125
Ile Ile Tyr Glu Phe Val Leu Gly Asp Cys Met Glu Asn Val Ser Phe
130 135 140

Ser Leu Ser Pro Gly Lys Val Thr Ala Leu Val Gly Pro Ser Gly Ser
 145 150 155 160
 Gly Lys Ser Ser Cys Val Asn Ile Leu Glu Asn Phe Tyr Pro Leu Glu
 165 170 175
 Gly Gly Arg Val Leu Leu Asp Gly Lys Pro Ile Ser Ala Tyr Asp His
 180 185 190
 Lys Tyr Leu His Arg Val Ile Ser Leu Val Ser Gln Glu Pro Val Leu
 195 200 205
 Phe Ala Arg Ser Ile Thr Asp Asn Ile Ser Tyr Gly Leu Pro Thr Val
 210 215 220
 Pro Phe Glu Met Val Val Glu Ala Ala Gln Lys Ala Asn Ala His Gly
 225 230 235 240
 Phe Ile Met Glu Leu Gln Asp Gly Tyr Ser Thr Glu Thr Gly Glu Lys
 245 250 255
 Gly Ala Gln Leu Ser Gly Gly Gln Lys Gln Arg Val Ala Trp Pro Gly
 260 265 270
 Leu Trp Cys Gly Thr Pro Gln Ser Ser Ser Trp Met Lys Pro Pro Ala
 275 280 285
 Leu Trp Met Pro Arg Ala Ser Ile
 290 295

<210> 352
 <211> 446
 <212> PRT
 <213> Homo sapiens

<400> 352
 Met Phe Ser Leu Ser Trp Gln Leu Ser Leu Val Thr Phe Met Gly Phe
 1 5 10 15
 Pro Ile Ile Met Met Val Ser Asn Ile Tyr Gly Lys Tyr Tyr Lys Arg
 20 25 30
 Leu Ser Lys Glu Val Gln Asn Ala Leu Ala Arg Ala Ser Asn Thr Ala
 35 40 45
 Glu Glu Thr Ile Ser Ala Met Lys Thr Val Arg Ser Phe Ala Asn Glu
 50 55 60
 Glu Glu Glu Ala Glu Val Tyr Leu Arg Lys Leu Gln Gln Val Tyr Lys
 65 70 75 80
 Leu Asn Arg Lys Glu Ala Ala Ala Tyr Met Tyr Tyr Val Trp Gly Ser
 85 90 95
 Gly Leu Thr Leu Leu Val Val Gln Val Ser Ile Leu Tyr Tyr Gly Gly

100					105					110					
His	Leu	Val	Ile	Ser	Gly	Gln	Met	Thr	Ser	Gly	Asn	Leu	Ile	Ala	Phe
	115						120					125			
Ile	Ile	Tyr	Glu	Phe	Val	Leu	Gly	Asp	Cys	Met	Glu	Ser	Val	Gly	Ser
	130					135					140				
Val	Tyr	Ser	Gly	Leu	Met	Gln	Gly	Val	Gly	Ala	Ala	Glu	Lys	Val	Phe
145					150					155					160
Glu	Phe	Ile	Asp	Arg	Gln	Pro	Thr	Met	Val	His	Asp	Gly	Ser	Leu	Ala
			165						170					175	
Pro	Asp	His	Leu	Glu	Gly	Arg	Val	Asp	Phe	Glu	Asn	Val	Thr	Phe	Thr
		180						185					190		
Tyr	Arg	Thr	Arg	Pro	His	Thr	Gln	Val	Leu	Gln	Asn	Val	Ser	Phe	Ser
	195						200					205			
Leu	Ser	Pro	Gly	Lys	Val	Thr	Ala	Leu	Val	Gly	Pro	Ser	Gly	Ser	Gly
	210					215					220				
Lys	Ser	Ser	Cys	Val	Asn	Ile	Leu	Glu	Asn	Phe	Tyr	Pro	Leu	Glu	Gly
225					230					235					240
Gly	Arg	Val	Leu	Leu	Asp	Gly	Lys	Pro	Ile	Ser	Ala	Tyr	Asp	His	Lys
			245						250					255	
Tyr	Leu	His	Arg	Val	Ile	Ser	Leu	Val	Ser	Gln	Glu	Pro	Val	Leu	Phe
		260						265					270		
Ala	Arg	Ser	Ile	Thr	Asp	Asn	Ile	Ser	Tyr	Gly	Leu	Pro	Thr	Val	Pro
		275					280					285			
Phe	Glu	Met	Val	Val	Glu	Ala	Ala	Gln	Lys	Ala	Asn	Ala	His	Gly	Phe
	290					295					300				
Ile	Met	Glu	Leu	Gln	Asp	Gly	Tyr	Ser	Thr	Glu	Thr	Gly	Glu	Lys	Gly
305					310					315					320
Ala	Gln	Leu	Ser	Gly	Gly	Gln	Lys	Gln	Arg	Val	Ala	Met	Ala	Arg	Ala
			325						330					335	
Leu	Val	Arg	Asn	Pro	Pro	Val	Leu	Ile	Leu	Asp	Glu	Ala	Thr	Ser	Ala
		340						345					350		
Leu	Asp	Ala	Glu	Ser	Glu	Tyr	Leu	Ile	Gln	Gln	Ala	Ile	His	Gly	Asn
	355						360					365			
Leu	Gln	Lys	His	Thr	Val	Leu	Ile	Ile	Ala	His	Arg	Leu	Ser	Thr	Val
	370					375					380				
Glu	His	Ala	His	Leu	Ile	Val	Val	Leu	Asp	Lys	Gly	Arg	Val	Val	Gln
385					390					395					400
Gln	Gly	Thr	His	Gln	Gln	Leu	Leu	Ala	Gln	Gly	Gly	Leu	Tyr	Ala	Lys

			405					410					415						
Leu	Val	Gln	Arg	Gln	Met	Leu	Gly	Leu	Gln	Pro	Ala	Ala	Asp	Phe	Thr				
			420					425					430						
Ala	Gly	His	Asn	Glu	Pro	Val	Ala	Asn	Gly	Ser	His	Lys	Ala						
		435					440					445							

<210> 353
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 353
 Lys Phe Lys Gln Val Ile Lys Ser Phe Tyr Lys Ile His Leu Ala Lys
 1 5 10 15
 Glu Ile Leu Ser Met Asn Ile Lys Leu Arg Lys Val Leu Tyr Val Phe
 20 25 30
 Leu Val Asn
 35

<210> 354
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 354
 Met Ala Ile Phe Cys Phe Ser Leu Cys Ser Leu Gly Ser Ile Leu Gly
 1 5 10 15
 Lys Gly Met Ser Thr Phe Gly Ser Ile Ser Val
 20 25

<210> 355
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 355
 Met Gly Arg Val Ser Ile Gln Gln Leu Gly Val Leu Val Ala Leu Pro
 1 5 10 15
 Val Pro Leu Leu Leu Leu Gly Cys Gly Ser Ala Leu His Pro Gly Ala
 20 25 30
 Pro Arg Ser Ile Pro His Thr Met Pro Ser Thr Arg Glu Val Gly Gln
 35 40 45
 Thr Arg Pro Gly Pro Cys Gln Pro Ser Val Pro Arg Phe Ser His Trp

50 , 55 60
 Leu His Arg Met Val Ala Phe Ser Leu Pro Thr Ser Gln Ser Cys Ser
 65 70 75 80
 Glu Gly Ala Trp Arg Ser Thr Leu Ser His Gln Gly Gln Leu Glu Thr
 85 90 95
 Lys Ala Ile

<210> 356
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 356
 Met Gly Arg Val Ser Ile Gln Gln Leu Gly Val Leu Val Ala Leu Pro
 1 5 10 15
 Val Pro Leu Leu Leu Leu Gly Cys Gly Ser Ala Leu His Pro Gly Ala
 20 25 30
 Pro Arg Ser Ile Pro His Thr Met Pro Ser Thr Arg Glu Val Gly Gln
 35 40 45
 Thr Arg Pro Gly Pro Cys Gln Pro Ser Val Pro Arg Phe Ser His Trp
 50 55 60
 Leu His Arg Met Val Ala Phe Ser Leu Pro Thr Ser Gln Ser Cys Ser
 65 70 75 80
 Glu Gly Ala Trp Arg Ser Thr Leu Ser His Gln Gly Gln Leu Glu Thr
 85 90 95
 Lys Ala Ile

<210> 357
 <211> 99
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (75)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 357
 Met Gly Arg Val Ser Ile Gln Gln Leu Gly Val Leu Val Ala Leu Pro
 1 5 10 15
 Val Pro Leu Leu Leu Leu Gly Cys Gly Ser Ala Leu His Pro Gly Ala

20 25 30
 Pro Arg Ser Ile Pro His Thr Met Pro Ser Thr Arg Glu Val Gly Gln
 35 40 45
 Thr Arg Pro Gly Pro Cys Gln Pro Ser Val Pro Arg Phe Ser His Trp
 50 55 60
 Leu His Arg Met Val Ala Phe Ser Leu Pro Xaa Ser Gln Ser Cys Ser
 65 70 75 80
 Glu Gly Ala Trp Arg Ser Thr Leu Ser His Gln Gly Gln Leu Glu Thr
 85 90 95
 Lys Ala Ile

<210> 358
 <211> 67
 <212> PRT
 <213> Homo sapiens

<400> 358
 Pro Ile Pro Trp Leu Cys Pro Pro Ser Pro Thr Leu Pro Leu Leu Ser
 1 5 10 15
 Ile Phe Phe Leu Pro Thr His Pro Pro Pro Pro Ser Arg Arg Gly Gly
 20 25 30
 Leu Gly Arg Pro Arg Pro Ser Leu Glu Lys Pro Ser Leu Ser Ser Ala
 35 40 45
 Val Val Pro Pro Pro Asn Pro Ile Thr Ala Ala His Pro Ile Leu Thr
 50 55 60
 Val Ile Leu
 65

<210> 359
 <211> 4
 <212> PRT
 <213> Homo sapiens

<400> 359
 Ala Pro Arg Gly
 1

<210> 360
 <211> 71
 <212> PRT
 <213> Homo sapiens

<400> 360

Met Gln Asn Arg Ser Pro Ala Phe Cys Phe Leu Leu Met Tyr Leu Leu
1 5 10 15
Cys Thr Cys Val Thr Arg Val Leu Leu Ser Ile Ile Phe Asn Leu Ile
20 25 30
Arg Ala Tyr Leu Trp Ser Trp His Asp Val Thr Pro Cys Val Arg Val
35 40 45
Gly Ile Thr Pro Val Tyr Leu Phe Leu Ser Ser Ala Ala His Asn Ala
50 55 60
Arg His Ile Val Gly Thr Leu
65 70

<210> 361

<211> 71

<212> PRT

<213> Homo sapiens

<400> 361

Met Gln Asn Arg Ser Pro Ala Phe Cys Phe Leu Leu Met Tyr Leu Leu
1 5 10 15
Cys Thr Cys Val Thr Arg Val Leu Leu Ser Ile Ile Phe Asn Leu Ile
20 25 30
Arg Ala Tyr Leu Trp Ser Trp His Asp Val Thr Pro Cys Val Arg Val
35 40 45
Gly Ile Thr Pro Val Tyr Leu Phe Leu Ser Ser Ala Ala His Asn Ala
50 55 60
Arg His Ile Val Gly Thr Leu
65 70

<210> 362

<211> 51

<212> PRT

<213> Homo sapiens

<400> 362

Met Leu Gln Asp Leu Cys Leu Cys Leu Phe Ser Ser Phe Phe Leu Ser
1 5 10 15
Leu Phe Val Cys Leu Lys Val Gly Gln Lys Ile Leu Leu Leu Thr Asp
20 25 30
Phe Pro Trp Ser Ala Ala Val Lys Arg Ser Leu Ser Leu Leu Ser Phe
35 40 45

Leu Met Glu
50

<210> 363
<211> 51
<212> PRT
<213> Homo sapiens

<400> 363
Met Leu Gln Asp Leu Cys Leu Cys Leu Phe Ser Ser Phe Phe Leu Ser
1 5 10 15

Leu Phe Val Cys Leu Lys Val Gly Gln Lys Ile Leu Leu Leu Thr Asp
20 25 30

Phe Pro Trp Ser Ala Ala Val Lys Arg Ser Leu Ser Leu Leu Ser Phe
35 40 45

Leu Met Glu
50

<210> 364
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 364
Ser Cys Phe Leu Ala Leu Lys Ser Ile Leu Ala Val Cys Gly Gly Ser
1 5 10 15

His Leu Pro Pro Ala Leu Trp Glu Ala Ser Gly Gly Gly Leu Val Pro
20 25 30

Asn Ser Cys Ser Pro Gly Asp Pro Xaa Val Leu Glu Arg Pro Pro Pro
35 40 45

Arg Trp Ser Ser Ser
50

<210> 365
<211> 110
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (97)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 365

Met Asp Asn Arg Phe Ala Thr Ala Phe Val Ile Ala Cys Val Leu Ser
1 5 10 15

Leu Ile Ser Thr Ile Tyr Met Ala Ala Ser Ile Gly Thr Asp Phe Trp
20 25 30

Tyr Glu Tyr Arg Ser Pro Val Gln Glu Asn Ser Ser Asp Leu Asn Lys
35 40 45

Ser Ile Trp Asp Glu Phe Ile Ser Asp Glu Ala Asp Glu Lys Thr Tyr
50 55 60

Asn Asp Ala Leu Phe Arg Tyr Asn Gly Thr Val Gly Leu Trp Arg Arg
65 70 75 80

Cys Ile Thr Ile Pro Lys Asn Met His Trp Tyr Ser Pro Pro Glu Arg
85 90 95

Xaa Glu Ser Phe Asp Val Val Thr Lys Cys Val Ser Ser His
100 105 110

<210> 366

<211> 165

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (148)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 366

Arg Xaa Thr Xaa Xaa His Phe Ala Arg Thr Tyr Pro Gly Ile His Leu
1 5 10 15

Arg Ile Gly Ser Asp Trp Lys Asn Ala Cys Ala Met Leu Lys Asp Gly

20	25	30
Thr Ala Gly Ser His Phe Met	Ala Ser Pro Gln Cys Val Gly Tyr Ser	
35	40	45
Arg Ser Thr Ala Ala Pro Leu Thr Met Thr Met Cys Leu Pro Asp Leu		
50	55	60
Lys Glu Ile Gln Arg Ala Val Lys Leu Trp Val Arg Ser Leu Asp Ala		
65	70	75
Gln Ser Val Tyr Val Ala Thr Asp Ser Glu Ser Tyr Val Pro Glu Leu		
85	90	95
Gln Gln Leu Phe Lys Gly Lys Val Lys Val Val Ser Leu Lys Pro Glu		
100	105	110
Val Ala Gln Val Asp Leu Tyr Ile Leu Gly Gln Ala Asp His Phe Ile		
115	120	125
Gly Asn Cys Val Ser Ser Phe Thr Ala Phe Val Lys Arg Glu Arg Asp		
130	135	140
Leu Gln Gly Xaa Pro Ser Ser Phe Phe Gly Met Asp Arg Pro Pro Lys		
145	150	155
Leu Arg Asp Glu Phe		
165		

<210> 367
 <211> 177
 <212> PRT
 <213> Homo sapiens

<400> 367
Leu Val Leu Trp Thr Arg Phe Tyr Arg Gly Asp Met Ser Leu His Ser
1 5 10 15
Ser Pro Thr Leu Pro Thr Ser Leu Tyr Gln Ser Cys Asp Leu Ser Val
20 25 30
Gly Gly Pro Ser Leu Leu Thr Trp Val Trp Arg Arg Glu Arg Arg Cys
35 40 45
Cys Lys Val Phe Ser Val Ser His Cys Leu Glu Ala Gly Pro Ala Lys
50 55 60
Ala Trp Ala His Ser Cys Thr Gly Ser Pro Arg Gly Arg Thr Gly Trp
65 70 75 80
Gly Ser Arg Ala Cys Glu Ala Leu Gly Lys Gly Met Gly Leu Trp Gly
85 90 95
Arg Gly Gly Met Gly Phe Arg Ser Ile Cys Thr Ile Arg Lys Val Leu
100 105 110

Arg	Ser	Phe	Phe	Leu	Glu	Gly	Thr	Leu	Ser	Ser	Leu	Ser	Leu	Phe	Leu
		115					120					125			
Asp	Leu	Gly	Leu	Glu	Leu	Arg	Met	Gly	Arg	Cys	Ala	Gln	Gly	Gly	Thr
	130					135					140				
His	Gln	Ser	Thr	Arg	Glu	Gly	Gly	Tyr	Leu	Gly	Val	Ser	Gln	Gly	Leu
145					150					155					160
Cys	Gln	Cys	Leu	Gln	Pro	Thr	Ser	Arg	Ser	Leu	Glu	Phe	Gly	Glu	Trp
			165						170					175	

Gly

<210> 368
 <211> 184
 <212> PRT
 <213> Homo sapiens

<400> 368															
Met	Asp	Asn	Arg	Phe	Ala	Thr	Ala	Phe	Val	Ile	Ala	Cys	Val	Leu	Ser
1				5					10					15	
Leu	Ile	Ser	Thr	Ile	Tyr	Met	Ala	Ala	Ser	Ile	Gly	Thr	Asp	Phe	Trp
			20					25					30		
Tyr	Glu	Tyr	Arg	Ser	Pro	Val	Gln	Glu	Asn	Ser	Ser	Asp	Leu	Asn	Lys
		35					40					45			
Ser	Ile	Trp	Asp	Glu	Phe	Ile	Ser	Asp	Glu	Ala	Asp	Glu	Lys	Thr	Tyr
	50					55					60				
Asn	Asp	Ala	Leu	Phe	Arg	Tyr	Asn	Gly	Thr	Val	Gly	Leu	Trp	Arg	Arg
65					70					75					80
Cys	Ile	Thr	Ile	Pro	Lys	Asn	Met	His	Trp	Tyr	Ser	Pro	Pro	Glu	Arg
				85					90					95	
Thr	Glu	Ser	Phe	Asp	Val	Val	Thr	Lys	Cys	Val	Ser	Phe	Thr	Leu	Thr
			100					105					110		
Glu	Gln	Phe	Met	Glu	Lys	Phe	Val	Asp	Pro	Gly	Asn	His	Asn	Ser	Gly
		115					120					125			
Ile	Asp	Leu	Leu	Arg	Thr	Tyr	Leu	Trp	Arg	Cys	Gln	Phe	Leu	Leu	Pro
	130				135						140				
Phe	Val	Ser	Leu	Gly	Leu	Met	Cys	Phe	Gly	Ala	Leu	Ile	Gly	Leu	Cys
145					150					155					160
Ala	Cys	Ile	Cys	Arg	Ser	Leu	Tyr	Pro	Thr	Ile	Ala	Thr	Gly	Ile	Leu
			165						170					175	

His Leu Leu Ala Asp Thr Met Leu
180

<210> 369
<211> 211
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 369
Ser Thr His Ala Ser Gly Arg Thr Cys Ala Leu Pro Ala Ala Ala Thr
1 5 10 15
Pro Arg Arg Val Gly Ala Ala Ala Pro Gly Cys Ala Gln Gly Arg Ala
20 25 30
Thr Asp Gly Ala Arg Arg Ala Glu Leu Arg Arg Glu Pro Ala Val Val
35 40 45
Ala His Arg His Gly His Ala Gly Ala His Gln Gly Gly Ala Gln Xaa
50 55 60
Ala Ala Gln Pro His Arg Arg Leu Gln Val Pro Gln Ala Gln Ala Gly
65 70 75 80
Ala His Leu Ala Pro Gly Arg Glu Ser Glu Asp Pro Gln Glu Ser Glu
85 90 95
His Gly Ala Gly Val His Gly Glu Pro Ala Ala Arg Ala Gly Gly Ala
100 105 110
Xaa Gln Ala Glu Ser Pro Gln Pro Arg Gln Gln Arg Leu Pro Ala Ala
115 120 125
Ala Pro Ala Pro Gly Ala Arg Val Leu Ser Pro Arg Ala Gly Arg Met
130 135 140
Arg Gly His Pro Pro Gln Gly Ala Gly Ser Arg Gly Gly Val Val Gly
145 150 155 160
Ala Pro Asp Leu Glu Arg Val Arg Pro Trp Gly Pro Pro Leu Pro Glu
165 170 175
Cys Ala Gln Glu Leu Arg Glu Gly Ala Ala Pro Gly Asp Ser Pro Pro
180 185 190

Pro Arg Val Pro Arg Thr Arg Gln Ala Gly Pro Pro Ala Pro Gly Gly
195 200 205

Ala Ser Ala
210

<210> 370
<211> 225
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (166)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 370
Arg Pro Asp Leu Glu Arg Val Arg Pro Trp Xaa Pro Pro Leu Pro Glu
1 5 10 15

Cys Ala Gln Glu Leu Arg Glu Gly Ala Ala Pro Gly Ile Pro Pro Arg
20 25 30

Gly Cys Pro Gly Leu Gly Arg Gly Ala Pro Asp Ser Thr Ser Trp Thr
35 40 45

Pro Cys Ser Arg Gly Gly Glu Arg Met Thr Pro Pro Pro Ser Arg Cys
50 55 60

Leu Phe Pro Pro Arg Gly Arg Pro Val Leu His Lys Pro Ala Arg Leu
65 70 75 80

Gly Cys Pro Phe Val His Arg Ala Gly Lys Gly Ala Pro Arg Gly Arg
85 90 95

Ser Ser Lys Pro Cys Leu Ser Phe Thr Phe Thr Phe Phe Phe Xaa
100 105 110

Phe Gly Arg Glu Lys Asn Arg Val Phe Asp Ser Ala Leu Phe Met Phe
115 120 125

Leu Leu Gly Asn Lys Arg Trp Leu Cys Val Cys Val Phe Ser Cys Val
130 135 140

Gly Phe Leu Lys Lys Trp Glu Glu Glu Lys Lys Ile Leu Arg Pro Phe

145 150 155 160
 Pro Arg Ser Arg Ser Xaa Leu Arg Phe Phe Arg Pro Val Pro Pro Pro
 165 170 175
 Phe Phe Val Leu Phe Cys Phe Val Leu Leu Arg Val His Ile Pro Val
 180 185 190
 Cys Asn Pro Trp Phe Ala Arg Phe Ser Val Phe Ser Lys Val Ser Leu
 195 200 205
 Arg Gln Lys Pro Arg Ala Glu Phe Leu Gly Leu Glu Gly Gln Asn Phe
 210 215 220
 Pro
 225

<210> 371
 <211> 68
 <212> PRT
 <213> Homo sapiens

<400> 371
 Met Ile Pro Phe Phe Leu Val Trp Val Ser Phe Leu His Ser Phe Ser
 1 5 10 15
 Val Ala Cys Ile Leu Gly His His Glu Cys Phe Ala Phe Ser Leu Ala
 20 25 30
 Asp Asp Thr Ile Gly Thr Ala Trp His Gly Gly Lys Val Ser His Lys
 35 40 45
 Leu Thr Tyr Lys His Cys Gly Ser Arg Ala His Asp Tyr Leu Glu Gly
 50 55 60
 Glu Ser Leu Leu
 65

<210> 372
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 372
 Val Ile Pro Phe Tyr Ile His Tyr Phe Val Tyr Phe Asn Cys Phe Ile
 1 5 10 15
 Leu Val Thr Leu Pro Phe Lys Ile Phe Lys Leu Pro Ile Val Arg Cys
 20 25 30
 Gln Trp Glu Trp Thr Pro Asp Gly Gln Ile Tyr Lys Trp Gln Trp Leu
 35 40 45

Asp Gln Thr Arg Thr Leu Glu Asp Gly Arg Val Gly Ala Lys
50 55 60

<210> 373

<211> 29

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 373

Ile Pro Leu Trp Phe Ile Ser Val Ser Phe Xaa Met Xaa Arg Phe Thr
1 5 10 15

Ile Leu Asn Gln Tyr His Val Thr Cys Arg Cys Gln Asn
20 25

<210> 374

<211> 68

<212> PRT

<213> Homo sapiens

<400> 374

Met Ile Pro Phe Phe Leu Val Trp Val Ser Phe Leu His Ser Phe Ser
1 5 10 15

Val Ala Cys Ile Leu Gly His His Glu Cys Phe Ala Phe Ser Leu Ala
20 25 30

Asp Asp Thr Ile Gly Thr Ala Trp His Gly Gly Lys Val Ser His Lys
35 40 45

Leu Thr Tyr Lys His Cys Gly Ser Arg Ala His Asp Tyr Leu Glu Gly
50 55 60

Glu Ser Leu Leu
65

<210> 375

<211> 57

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 375

Leu Leu Ser Ala Met Leu Pro Gly Glu Asn Glu Ile Val Ala Trp Ile
1 5 10 15

Asn Glu Ser Val Cys Val Ala Arg Ser Gly Leu Ala Leu Asp Val Asp
20 25 30

Gly Ala Pro Ala Leu Ser Pro Gln Leu Xaa Ser Xaa Lys Ile Ser Asn
35 40 45

Leu Glu Glu Asn Gly Arg Thr Val Glu
50 55

<210> 376

<211> 43

<212> PRT

<213> Homo sapiens

<400> 376

Met Ala Leu Val Val Glu Ala Val Ile Ile Ile Phe Ile Glu Cys Gln
1 5 10 15

Ala Leu Cys Ile Ile Leu Ser Ser Ser His Ile Asn Arg Arg Arg Gln
20 25 30

Val Val Ile Ala Pro Phe Gly Glu Ser Glu Asn
35 40

<210> 377

<211> 24

<212> PRT

<213> Homo sapiens

<400> 377

Ser Ala Cys Phe Cys Cys Ala Ala Ser Ser Leu Phe Ser Ser Phe Ser
1 5 10 15

Ile Val Ser Pro Leu Trp Lys Lys
20

<210> 378

<211> 477
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (109)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (152)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (194)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (197)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (198)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (203)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (459)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (463)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (468)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 378

Met	Val	Asn	Ala	Cys	Trp	Cys	Gly	Leu	Leu	Ala	Ala	Leu	Ser	Leu	Leu
1				5					10					15	

Leu	Asp	Ala	Ser	Thr	Asp	Glu	Ala	Ala	Thr	Glu	Asn	Ile	Leu	Lys	Ala
			20					25					30		

Glu	Leu	Thr	Met	Ala	Ala	Leu	Cys	Gly	Lys	Leu	Gly	Leu	Val	Thr	Ser
		35					40					45			

Xaa	Asn	Ala	Phe	Ile	Thr	Ala	Ile	Xaa	Lys	Gly	Ser	Leu	Pro	Pro	His
	50					55					60				

Tyr	Ala	Leu	Thr	Val	Leu	Asn	Thr	Thr	Thr	Ala	Ala	Thr	Leu	Ser	Asn
65					70					75					80

Lys	Ser	Tyr	Ser	Val	Gln	Gly	Gln	Ser	Val	Met	Met	Ile	Ser	Pro	Ser
				85					90					95	

Ser	Glu	Ser	His	Gln	Gln	Val	Val	Xaa	Val	Gly	Gln	Xaa	Leu	Ala	Val
			100					105					110		

Gln	Pro	Gln	Gly	Thr	Val	Met	Leu	Thr	Ser	Lys	Asn	Ile	Gln	Cys	Met
		115					120					125			

Arg	Thr	Leu	Leu	Asn	Leu	Ala	His	Cys	His	Gly	Ala	Val	Leu	Gly	Thr
	130					135					140				

Ser	Trp	Gln	Leu	Val	Leu	Ala	Xaa	Leu	Gln	His	Leu	Val	Trp	Ile	Leu
145					150					155					160

Gly	Leu	Lys	Pro	Ser	Ser	Gly	Gly	Ala	Leu	Lys	Pro	Gly	Arg	Ala	Val
			165						170					175	

Glu	Gly	Pro	Ser	Thr	Val	Leu	Thr	Thr	Ala	Val	Met	Thr	Asp	Leu	Pro
			180					185					190		

Val	Xaa	Ser	Asn	Xaa	Xaa	Ser	Arg	Leu	Phe	Xaa	Ser	Ser	Gln	Tyr	Leu
		195					200					205			

Asp	Asp	Val	Ser	Leu	His	His	Leu	Ile	Asn	Ala	Leu	Cys	Ser	Leu	Ser
	210					215					220				

Leu	Glu	Ala	Met	Asp	Met	Ala	Tyr	Gly	Asn	Asn	Lys	Glu	Pro	Ser	Leu
225					230					235					240

Phe	Ala	Val	Ala	Lys	Leu	Leu	Glu	Thr	Gly	Leu	Val	Asn	Met	His	Arg
				245					250					255	

Ile	Glu	Ile	Leu	Trp	Arg	Pro	Leu	Thr	Gly	His	Leu	Leu	Glu	Val	Cys
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

<210> 380
<211> 70
<212> PRT
<213> Homo sapiens

<400> 380
Met His Leu Asn Val Gln Tyr Cys Thr Ile His Leu Ile Leu Leu Leu
1 5 10 15
Leu Phe Ile Thr Arg His Tyr Ala Tyr Gln Trp Thr Phe Gln Val Gly
20 25 30
Gly Leu Thr Val Ala Ser Ser Val Val Trp Gln His Pro Ser Ala Val
35 40 45
Ser Ile Tyr Thr Leu Leu Tyr Ile Tyr Ala Pro His Gln Gly Ser Thr
50 55 60
Gly Thr Arg Arg His Cys
65 70

<210> 381
<211> 67
<212> PRT
<213> Homo sapiens

<400> 381
Leu Gln Glu Phe Gly Thr Ser Gly Thr Ser Ala Asn Thr Thr Ala Val
1 5 10 15
Ala Leu Asn Ala Pro Ala His Pro Ala Arg Leu Leu Pro Pro Gly Pro
20 25 30
Ala Val Ala Leu Leu Leu Leu Arg Gly Ser Cys Ser Leu Cys Cys Cys
35 40 45
His Gln Pro His Lys Ala Ser Cys Lys Ala Met Pro Ser Ala Gly Ser
50 55 60
Asn Val Pro
65

<210> 382
<211> 79
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids
<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 382

Met Gly Cys Cys Ser Lys Lys Tyr Trp Gln Leu Leu Leu Gly Ala Ala
1 5 10 15

Pro Trp Gly Val Ile Pro Xaa Leu Leu Leu Trp Met Gly Thr Arg Ala
20 25 30

Pro His Phe Lys Asp Ser Val Ser Gln Gly Leu Pro Xaa Lys Ala Glu
35 40 45

Glu Ser Arg Ala Asn Phe Asn Gln Phe Leu Val Leu Leu Met Pro Lys
50 55 60

Glu Met Ile Val Leu Thr Ile Val His Pro Ile Val Arg Arg Ala
65 70 75

<210> 383

<211> 39

<212> PRT

<213> Homo sapiens

<400> 383

Met Phe Leu Val Ser Pro Ser Val Ser Ser Val Val Ser Ser Leu Leu
1 5 10 15

Ser Ile Phe Trp Leu Met His Leu Gly Gln Val Trp Leu Gly Ser Met
20 25 30

Glu Thr His Pro Ile Thr Ser
35

<210> 384

<211> 39

<212> PRT

<213> Homo sapiens

<400> 384

Met Phe Leu Val Ser Pro Ser Val Ser Ser Val Val Ser Ser Leu Leu
1 5 10 15

Ser Ile Phe Trp Leu Met His Leu Gly Gln Val Trp Leu Gly Ser Met
20 25 30

Glu Thr His Pro Ile Thr Ser
35

<210> 385

<211> 39
<212> PRT
<213> Homo sapiens

<400> 385
Met Phe Leu Val Ser Pro Ser Val Ser Ser Val Val Ser Ser Leu Leu
1 5 10 15
Ser Ile Phe Trp Leu Met His Leu Gly Gln Val Trp Leu Gly Ser Met
20 25 30
Glu Thr His Pro Ile Thr Ser
35

<210> 386
<211> 198
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (164)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (196)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 386
Pro Asp Pro Asn Ala Arg Arg Gly Xaa Asn Ala Xaa Ser Thr Arg Thr
1 5 10 15
Asp His Glu His Arg Thr Tyr Arg Leu Tyr Arg Arg Pro Ser Arg Phe
20 25 30
Arg Asp Ser Pro Ala Gln Arg Pro Tyr Pro Ala Ala Gly Tyr Val Glu
35 40 45
Thr Val Ala Arg Ala His Glu Ala Ala Gly Phe Asp Arg Ala Leu Val

50	55	60
Ala Phe His Ser Asn Ser Pro Asp Ser Thr Leu Ile Ala Ala His Ala		
65	70	75 80
Ala Ser Val Thr Gln Lys Leu Gln Phe Leu Ile Ala His Arg Pro Gly		
	85	90 95
Xaa Ala Gln Pro Thr Leu Ala Ala Arg Gln Phe Ala Thr Leu Asp Val		
	100	105 110
Phe Asn Gly Gly Arg Thr Ala Val His Ile Ile Thr Gly Gly Asp Asp		
	115	120 125
Arg Glu Leu Arg Ala Asp Gly Ser His Ile Gly Lys Asp Glu Arg Tyr		
	130	135 140
Ala Arg Thr Asp Glu Tyr Leu Ser Val Val Arg Gln Glu Trp Thr His		
	145	150 155 160
Glu Gln Pro Xaa Asp Phe Lys Gly Thr Tyr Tyr Gln Val Glu Gly Ala		
	165	170 175
His Ser Thr Val Lys Ser Pro Gln Gln Pro His Ile Pro Leu Tyr Phe		
	180	185 190
Gly Gly Ser Xaa Arg Gly		
	195	

<210> 387
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 387
 Glu Leu Gly Arg Leu Arg His Pro Thr Gln Gly Lys Pro Ala Cys His
 1 5 10 15
 Ile Glu Cys Thr Ala Leu Ile Lys Phe Thr His Asp Asn Ser Ala Phe
 20 25 30
 Tyr Asn

<210> 388
 <211> 207
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (105)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (110)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (111)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (116)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (129)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (133)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 388
 Met Arg Pro Trp Arg Phe Gly Trp Pro Arg Thr Leu Ala Ser Gln Leu
 1 5 10 15
 Ser Leu Ile Phe Leu Ile Ser Leu Val Cys Ala His Gly Leu Ser Phe
 20 25 30
 Ser Ala Gln Phe Tyr Glu Arg Tyr Ile Ser Ala Arg Thr Val Met Leu
 35 40 45
 Gly Asn Leu Glu Asn Asp Val Ser Thr Ser Val Ala Ile Leu Asp Arg
 50 55 60
 Leu Pro Ala Asn Glu Arg Ala Ile Gly Trp Arg Val Leu Arg Pro Ala
 65 70 75 80
 Glu Leu Pro Val Leu Leu Asn Ala Gly Glu Ala Gly Glu Pro Met Thr
 85 90 95
 Ser Asn Asp Val Pro Met Ala Ala Xaa Phe Asp Cys Gly Xaa Xaa Gly
 100 105 110
 Arg Ala Leu Xaa Pro Asp Leu Ser Arg Tyr Ser Arg His Pro Glu Thr
 115 120 125
 Xaa Pro Gly Ala Xaa Asp Pro Gly Arg Trp Gln Pro Asp His Pro Arg
 130 135 140
 Arg Thr Pro Arg Arg Pro Ala Arg Ser Leu Leu Val Ala Gly Gly Ala
 145 150 155 160

Gly Ala Ala Thr Gly Ala Ala Ala Arg Leu His Leu Gly Arg Gly Ala
165 170 175

Pro Gly Arg Ala Pro Ala Asp Thr Pro Gly Pro Cys Gly Arg Asn Pro
180 185 190

Arg Pro Glu Arg Ser Pro His Thr Pro Gly Arg Asn Arg Pro Glu
195 200 205

<210> 389
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 389
Gly Trp Pro Arg Trp Arg Arg Glu Arg Cys Ala Asn Thr Pro Xaa Val
1 5 10 15

Xaa Leu

<210> 390
<211> 435
<212> PRT
<213> Homo sapiens

<400> 390
Met Arg Pro Trp Arg Phe Gly Trp Pro Arg Thr Leu Ala Ser Gln Leu
1 5 10 15

Ser Leu Ile Phe Leu Ile Ser Leu Val Cys Ala His Gly Leu Ser Phe
20 25 30

Ser Ala Gln Phe Tyr Glu Arg Tyr Ile Ser Ala Arg Thr Val Met Leu
35 40 45

Gly Asn Leu Glu Asn Asp Val Ser Thr Ser Val Ala Ile Leu Asp Arg
50 55 60

Leu Pro Ala Asn Glu Arg Ala Ser Trp Leu Ala Arg Leu Asp Arg Gln
65 70 75 80

Asn Tyr Arg Tyr Leu Leu Asn Ala Gly Glu Ala Gly Glu Pro Met Thr

85					90					95					
Ser	Asn	Asp	Val	Pro	Met	Ala	Ala	Thr	Ser	Ile	Ala	Asp	Ala	Leu	Gly
			100					105					110		
Glu	His	Tyr	Ala	Leu	Thr	Phe	Arg	Asp	Ile	Pro	Gly	Ile	Gln	Lys	His
		115					120					125			
Phe	Gln	Val	His	Leu	Thr	Leu	Ala	Asp	Gly	Asn	Pro	Ile	Thr	Leu	Asp
		130					135					140			
Val	Arg	Pro	Ala	Ala	Leu	Pro	Val	Ala	Tyr	Trp	Leu	Pro	Val	Val	Leu
					150					155					160
Val	Leu	Gln	Leu	Ala	Leu	Leu	Leu	Gly	Cys	Thr	Trp	Val	Ala	Val	Arg
					165				170						175
Leu	Ala	Val	Arg	Pro	Leu	Thr	Arg	Leu	Ala	Arg	Ala	Val	Glu	Thr	Leu
			180					185					190		
Asp	Pro	Asn	Ala	His	Pro	Thr	Pro	Leu	Asp	Glu	Thr	Gly	Pro	Ser	Glu
			195				200					205			
Val	Ala	His	Ala	Ala	Ala	Ala	Phe	Asn	Ala	Met	Gln	Gln	Arg	Ile	Ala
		210					215					220			
Glu	Tyr	Leu	Lys	Glu	Arg	Met	Gln	Ile	Leu	Ala	Ala	Ile	Ser	His	Asp
					230					235					240
Leu	Gln	Thr	Pro	Ile	Thr	Arg	Met	Lys	Leu	Arg	Ala	Glu	Phe	Met	Asp
					245				250					255	
Asp	Ser	Ala	Asp	Arg	Glu	Lys	Leu	Trp	Ser	Asp	Leu	Ser	Glu	Met	Glu
			260					265					270		
His	Leu	Val	Arg	Glu	Gly	Val	Ala	Tyr	Ala	Arg	Ser	Val	His	Gly	Ala
			275				280					285			
Thr	Glu	Ala	Ser	His	Arg	Ile	Asp	Leu	Asp	Ala	Phe	Leu	Asp	Ser	Leu
					295						300				
Val	Phe	Asp	Tyr	Gln	Asp	Met	Gln	Lys	Gln	Val	Ser	Leu	Arg	Gly	Lys
					310					315					320
Ser	Ala	Leu	Ile	Leu	Asp	Thr	Arg	Pro	His	Ala	Leu	Arg	Arg	Val	Leu
					325				330					335	
Val	Asn	Leu	Val	Asp	Asn	Ala	Leu	Lys	Phe	Ala	Gly	Asn	Ala	Glu	Leu
					340			345				350			
Glu	Val	Gly	Ser	Thr	Ala	Asn	Gly	Gln	Leu	Ser	Ile	Lys	Val	Leu	Asp
					355		360					365			
Gln	Gly	Pro	Gly	Ile	Ala	Glu	Asp	Glu	Leu	Ala	Gln	Val	Leu	Gln	Pro
					370		375				380				
Phe	Tyr	Arg	Val	Glu	Ser	Ser	Arg	Asn	Arg	Gly	Thr	Gly	Gly	Thr	Gly

385 390 395 400
 Leu Gly Leu Ala Ile Ala Gln Gln Leu Ala Val Ala Ile Gly Gly Thr
 405 410 415
 Leu Thr Leu Ser Asn Arg Val Glu Gly Gly Leu Cys Ala Glu Ile Arg
 420 425 430
 Leu Ser Leu
 435

<210> 391
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 391
 Cys Lys Trp Val Gln Asn Gly Gly His Pro Asn Val Glu Ser Ser Lys
 1 5 10 15
 Tyr His Cys His Glu Pro Lys Ala Ser Leu Tyr Thr Leu Glu Glu Ser
 20 25 30
 Thr Leu

<210> 392
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 392
 Leu Leu Leu Cys Lys Phe Lys Lys Val Asn Tyr Phe Leu Lys Val Leu
 1 5 10 15
 Ile Ser Asn Phe Ser Ile Trp Ala Tyr Asp His His
 20 25

<210> 393
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 393
 Met Ala Gly His Pro Thr Leu Ile Leu Leu Cys Lys Trp Ala Phe His
 1 5 10 15
 Leu Thr Gly Ala Ile Cys Glu Pro Tyr Leu Asn Gln Thr Leu Pro Thr
 20 25 30
 Gln Ala Cys Leu

<210> 394
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 394
 Met Ala Gly His Pro Thr Leu Ile Leu Leu Cys Lys Trp Ala Phe His
 1 5 10 15
 Leu Thr Gly Ala Ile Cys Glu Pro Tyr Leu Asn Gln Thr Leu Pro Thr
 20 25 30
 Gln Ala Cys Leu
 35

<210> 395
 <211> 41
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (15)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 395
 Met Trp Leu Met Leu Ile Leu Ser Leu Thr Ser Gly Glu Thr Xaa Ala
 1 5 10 15
 Leu Arg Gly Cys Cys Ser Ser Ser Trp Thr Tyr Gly Glu Ser Ala Ala
 20 25 30
 Gly Pro Ala Asp Gln Ala Pro Cys Leu
 35 40

<210> 396
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 396
 Met Trp Leu Met Leu Ile Leu Ser Leu Thr Ser Gly Glu Thr Glu Ala
 1 5 10 15
 Leu Arg Gly Cys Cys Ser Ser Ser Trp Thr Tyr Gly Glu Ser Ala Ala
 20 25 30
 Gly Pro Ala Asp Gln Ala Pro Cys Leu
 35 40

<210> 397
<211> 20
<212> PRT
<213> Homo sapiens

<400> 397
Ile Phe Ala Leu Ser Leu Ser Phe Tyr Thr Cys Ile His Ile His Thr
1 5 10 15
His Arg His Thr
20

<210> 398
<211> 117
<212> PRT
<213> Homo sapiens

<400> 398
Met Cys Thr Leu Phe Val Leu Ala Val Leu Leu Pro Val Leu Phe Leu
1 5 10 15
Leu Tyr Arg His Arg Asn Ser Met Lys Val Phe Leu Lys Gln Gly Glu
20 25 30
Cys Ala Ser Val His Pro Lys Thr Cys Pro Val Val Leu Pro Pro Glu
35 40 45
Thr Arg Pro Leu Asn Gly Leu Gly Pro Pro Ser Thr Pro Leu Asp His
50 55 60
Arg Gly Tyr Gln Ser Leu Ser Asp Ser Pro Pro Gly Ala Arg Val Phe
65 70 75 80
Thr Glu Ser Glu Lys Arg Pro Leu Ser Ile Gln Asp Ser Phe Val Glu
85 90 95
Val Ser Pro Val Cys Pro Arg Pro Arg Val Arg Leu Gly Ser Glu Ile
100 105 110
Arg Asp Ser Val Val
115

<210> 399
<211> 183
<212> PRT
<213> Homo sapiens

<400> 399
Met Met Asn Val Ser Lys Ile Ser Phe Phe Ala Met Phe Leu Met Tyr
1 5 10 15

Leu Leu Ala Ala Leu Phe Gly Tyr Leu Thr Phe Tyr Glu His Val Glu
 20 25 30
 Ser Glu Leu Leu His Thr Tyr Ser Ser Ile Leu Gly Thr Asp Ile Leu
 35 40 45
 Leu Leu Ile Val Arg Leu Ala Val Leu Met Ala Val Thr Leu Thr Val
 50 55 60
 Pro Val Val Ile Phe Pro Ile Arg Ser Ser Val Thr His Leu Leu Cys
 65 70 75 80
 Ala Ser Lys Asp Phe Ser Trp Trp Arg His Ser Leu Ile Thr Val Ser
 85 90 95
 Ile Leu Ala Phe Thr Asn Leu Leu Val Ile Phe Val Pro Thr Ile Arg
 100 105 110
 Asp Ile Phe Gly Phe Ile Gly Ala Ser Ala Ala Ser Met Leu Ile Phe
 115 120 125
 Ile Leu Pro Ser Ala Phe Tyr Ile Lys Leu Val Lys Lys Glu Pro Met
 130 135 140
 Lys Ser Val Gln Lys Ile Gly Ala Leu Phe Phe Leu Leu Ser Gly Val
 145 150 155 160
 Leu Val Met Thr Gly Ser Met Ala Leu Ile Val Leu Asp Trp Val His
 165 170 175
 Asn Ala Pro Gly Gly Gly His
 180

<210> 400
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 400
 Met Val Ser Lys His Ser Leu Asn Leu His Phe Phe Tyr Trp Lys Gly
 1 5 10 15
 Gly Cys Ala Cys Phe Thr Ser Glu Pro Arg Val Phe Val Val Val Glu
 20 25 30
 Leu Ser Leu Leu Asp Cys
 35

<210> 401
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 401

Met Val Ser Lys His Ser Leu Asn Leu His Phe Phe Tyr Trp Lys Gly
1 5 10 15

Gly Cys Ala Cys Phe Thr Ser Glu Pro Arg Val Phe Val Val Val Glu
20 25 30

Leu Ser Leu Leu Asp Cys
35

<210> 402

<211> 92

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 402

Ile Gly Pro Leu Leu Val Tyr Val Ser Xaa Thr His Glu Ser Leu Lys
1 5 10 15

Leu Trp Gln Leu Lys Glu Thr Leu Ile Gln Ser Phe Pro Ala Leu Val
20 25 30

Arg Ser Leu Gly Pro Gly Leu Leu Phe Gly Pro Pro Ile Ala Thr Gly
35 40 45

Xaa Thr Gln Ala Gly Asp Met Ala Asp Lys Ser Gln Ala Gly Pro Arg
50 55 60

Gly Ser Val Ser Ser Val Ala Trp Gly Pro Phe Pro Gly Gly Ser Gly
65 70 75 80

Ala Leu Ala Phe Cys Pro Leu Ile Leu Arg Ser His
85 90

<210> 403

<211> 24

<212> PRT

<213> Homo sapiens

<400> 403

Met His Ile Phe Thr Ile Leu Tyr Pro Ile Ser Glu Gly Phe Phe Lys
1 5 10 15

Ile Phe Asn Phe Ile Val Phe Phe
20

<210> 404
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 404
Xaa Ser Gly Asp Leu Pro Thr Ser Ala Phe Pro Lys Cys Trp Asp Tyr
1 5 10 15
Arg Pro Glu Pro Pro Cys Pro Ala Gln Ala Gln Thr Ser Val Leu Cys
20 25 30
Val Thr Ser Trp Ser Arg Leu Thr Val Ser Thr Leu Thr Ser Thr Ser
35 40 45
Gln Ala Glu Gly Val Arg Ala Leu Pro Ile Trp Pro Ser Ser Gln Val
50 55 60
Cys Ser Ile Gln Pro
65

<210> 405
<211> 110
<212> PRT
<213> Homo sapiens

<400> 405
Ser Gln Gln Thr Leu Leu Ile Arg Pro Cys Cys Asn Lys Gln Thr Pro
1 5 10 15
Ile Thr Asn His Pro His Cys Thr Gly Gly Gly His Gly Lys His Lys
20 25 30
Gln Thr Leu Pro Thr Pro Ser Cys Asn Lys Arg His Lys Val Ile Cys
35 40 45
Ser Lys Ile Asn Gln Gln Thr Thr Pro Gly Cys Gly His Thr Lys Glu
50 55 60
Leu His Gln Thr Pro Leu Pro Asn Ile Asn Pro Ser Phe Cys Lys Leu
65 70 75 80
Gly Ala Thr Ser Ser Leu Thr Val Lys Gly Ala Ala Ser Arg Leu Ile
85 90 95

Lys Ser Tyr Leu Pro Lys Lys Lys Lys Lys Lys Asn Ser Arg
100 105 110

<210> 406
<211> 79
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 406
Met Val Phe Phe Gln Ile Gln Ser Leu Leu Ser Phe Leu Ala Ser Ser
1 5 10 15

Leu Ser Ile Ile Phe Leu Leu Pro Arg Cys Leu Ile Pro Pro Ala Asn
20 25 30

Gly Thr Ala Gly Ser Ser Cys Ser Glu Phe Gln Thr Leu His Thr Phe
35 40 45

His Pro Gln Ala Ser Cys Ala His Ala Gly Pro Ser Asn Leu Tyr Thr
50 55 60

Phe Leu Xaa Leu Phe Asp Leu Ser Ala Lys Val Ser Pro Leu Met
65 70 75

<210> 407
<211> 79
<212> PRT
<213> Homo sapiens

<400> 407
Met Val Phe Phe Gln Ile Gln Ser Leu Leu Ser Phe Leu Ala Ser Ser
1 5 10 15

Leu Ser Ile Ile Phe Leu Leu Pro Arg Cys Leu Ile Pro Pro Ala Asn
20 25 30

Gly Thr Ala Gly Ser Ser Cys Ser Glu Phe Gln Thr Leu His Thr Phe
35 40 45

His Pro Gln Ala Ser Cys Ala His Ala Gly Pro Ser Asn Leu Tyr Thr
50 55 60

Phe Leu Arg Leu Phe Asp Leu Ser Ala Lys Val Ser Pro Leu Met
65 70 75

<210> 408
<211> 325
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (136)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (186)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (234)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 408
Val Pro Pro Ala Val Cys Pro Ala Gly Xaa Phe Cys Gln Asn Gln Cys
1 5 10 15
Phe Thr Lys Arg Gln Tyr Pro Glu Thr Lys Ile Ile Lys Thr Asp Gly
20 25 30
Lys Gly Trp Gly Leu Val Ala Lys Arg Asp Ile Arg Lys Gly Glu Phe
35 40 45
Val Asn Glu Tyr Val Gly Glu Leu Ile Asp Glu Glu Glu Cys Met Ala
50 55 60
Arg Ile Lys His Ala His Glu Asn Asp Ile Thr His Phe Tyr Met Leu
65 70 75 80
Thr Ile Asp Lys Asp Arg Ile Ile Asp Ala Gly Pro Lys Gly Asn Tyr
85 90 95
Ser Arg Phe Met Asn His Ser Cys Gln Pro Asn Cys Glu Thr Leu Lys
100 105 110
Trp Thr Val Asn Gly Asp Thr Arg Val Gly Leu Phe Ala Val Cys Asp
115 120 125
Ile Pro Ala Gly Thr Glu Leu Xaa Phe Asn Tyr Asn Leu Asp Cys Leu
130 135 140
Gly Asn Glu Lys Thr Val Cys Arg Cys Gly Ala Ser Asn Cys Ser Gly
145 150 155 160
Phe Leu Gly Asp Arg Pro Lys Thr Ser Thr Thr Leu Ser Ser Glu Glu

165					170					175					
Lys	Gly	Lys	Lys	Thr	Lys	Lys	Lys	Thr	Xaa	Arg	Arg	Arg	Ala	Lys	Gly
			180					185					190		
Glu	Gly	Lys	Arg	Gln	Ser	Glu	Asp	Glu	Cys	Phe	Arg	Cys	Gly	Asp	Gly
		195					200					205			
Gly	Gln	Leu	Val	Leu	Cys	Asp	Arg	Lys	Phe	Cys	Thr	Lys	Ala	Tyr	His
	210					215					220				
Leu	Ser	Cys	Leu	Gly	Leu	Gly	Lys	Arg	Xaa	Phe	Gly	Lys	Trp	Glu	Cys
225						230					235				240
Pro	Trp	His	His	Cys	Asp	Val	Cys	Gly	Lys	Pro	Ser	Thr	Ser	Phe	Cys
				245					250					255	
His	Leu	Cys	Pro	Asn	Ser	Phe	Cys	Lys	Glu	His	Gln	Asp	Gly	Thr	Ala
			260					265					270		
Phe	Ser	Cys	Thr	Pro	Asp	Gly	Arg	Ser	Tyr	Cys	Cys	Glu	His	Asp	Leu
		275					280					285			
Gly	Ala	Ala	Ser	Val	Arg	Ser	Thr	Lys	Thr	Glu	Lys	Pro	Pro	Pro	Glu
	290					295					300				
Pro	Gly	Lys	Pro	Lys	Gly	Lys	Arg	Arg	Arg	Arg	Arg	Gly	Trp	Arg	Arg
305					310					315					320
Val	Thr	Glu	Gly	Lys											
				325											

<210> 409

<211> 161

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (123)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (129)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (145)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (146)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (157)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 409

Met Thr Thr Trp Ser Cys Leu Val Ala Met Ile Val Ser Gly Val Ile
1 5 10 15

Thr Ala Val Trp Ala Val Arg Ala Ala Pro Ile Trp Arg Ser Gln Val
20 25 30

Lys Gln Lys Met Arg Ile Gly Lys Gln Gly Asn Cys Arg Pro Pro Arg
35 40 45

Cys Ile Cys Ser Ala Leu Gly Leu Leu Ala Pro Trp Met Ala Val Val
50 55 60

Leu Ser Gln Leu Ser Val Arg Cys Val Val Ser Trp Val Gln Gly Lys
65 70 75 80

Pro Ser Ser Pro Arg Pro Arg Gly Ser Ala Ala Ser Pro Ala Pro Gly
85 90 95

Ala Thr Pro Pro Thr Pro Arg Lys Pro Val Ser Trp Leu Gly Tyr Arg
100 105 110

Glu Asn His Arg Pro Lys Lys Pro Lys Ser Xaa Thr Arg Cys Leu Val
115 120 125

Xaa Gln Asn Trp Ser Leu Pro Pro Ile Ser Lys Asp Arg Thr Ala Gly
130 135 140

Xaa Xaa Asp Thr Asn Arg Thr Arg Arg Ser Gly Leu Xaa Leu Arg Leu
145 150 155 160

Gly

<210> 410

<211> 57

<212> PRT

<213> Homo sapiens

<400> 410

Arg Pro Val Ser Thr Lys Lys Lys Lys Val Ser Trp Ala Trp Trp Cys
1 5 10 15

Thr Ser Ile Ala Pro Ala Thr Leu Glu Ala Lys Val Arg Gly Leu Leu
20 25 30

Glu Pro Gly Arg Ser Val Ser Ala Val Ser Cys Asp Pro Ala Asn Ala
35 40 45

Leu Ser Leu Gly Ser Val Arg Pro Cys
50 55

<210> 411
<211> 58
<212> PRT
<213> Homo sapiens

<400> 411
Val Leu Cys Leu Gln Ile Tyr Cys Gln Thr Arg Phe Ser Ser Ser Leu
1 5 10 15
Ser Thr Ser Phe Thr Val Leu Asn Cys Met Tyr Arg Ser Val Ile Leu
20 25 30
Ser Glu Leu Thr Phe Val Lys Asp Lys Arg Ser Val Leu Asp Arg Tyr
35 40 45
Phe Pro Phe Ala Cys Gly Cys Pro Ala Pro
50 55

<210> 412
<211> 141
<212> PRT
<213> Homo sapiens

<400> 412
Met Lys Ser Thr Leu Ser Ile Phe Ser Leu Trp Val Met Ile Phe Val
1 5 10 15
Leu Cys Leu Gln Ile Tyr Cys Gln Thr Arg Phe Ser Ser Ser Leu Ser
20 25 30
Thr Ser Phe Thr Val Leu Asn Cys Met Tyr Arg Ser Val Ile Leu Ser
35 40 45
Glu Leu Thr Phe Val Lys Asp Lys Arg Ser Val Leu Asp Arg Leu Phe
50 55 60
Phe Leu Leu His Val Val Val Gln His His Glu Asp Ser Ser Phe Ser
65 70 75 80
Thr Glu Leu Ser Leu Tyr Phe Cys Gln Arg Ser Asp Leu Pro Leu Lys
85 90 95
Ser Leu Ser Asn Leu Ser Thr Ser His His Leu His Phe Gln Ser Leu
100 105 110
Arg Thr Arg Gly Arg Thr Arg Gly Ser Thr Arg Glu Phe Arg Thr Gly
115 120 125
Thr Cys Arg Arg Thr Ser Phe Pro Tyr Ser Glu Ser Tyr

130

135

140

<210> 413

<211> 141

<212> PRT

<213> Homo sapiens

<400> 413

Met Lys Ser Thr Leu Ser Ile Phe Ser Leu Trp Val Met Ile Phe Val
 1 5 10 15

Leu Cys Leu Gln Ile Tyr Cys Gln Thr Arg Phe Ser Ser Ser Leu Ser
 20 25 30

Thr Ser Phe Thr Val Leu Asn Cys Met Tyr Arg Ser Val Ile Leu Ser
 35 40 45

Glu Leu Thr Phe Val Lys Asp Lys Arg Ser Val Leu Asp Arg Leu Phe
 50 55 60

Phe Leu Leu His Val Val Val Gln His His Glu Asp Ser Ser Phe Ser
 65 70 75 80

Thr Glu Leu Ser Leu Tyr Phe Cys Gln Arg Ser Asp Leu Pro Leu Lys
 85 90 95

Ser Leu Ser Asn Leu Ser Thr Ser His His Leu His Phe Gln Ser Leu
 100 105 110

Gln Ala Thr Ile Leu Ser Cys Leu Ile Ile Ala Val Val Leu Thr Gly
 115 120 125

Leu Ala Leu Ser Val Asp Pro Cys Phe Ile His Arg Ile
 130 135 140

<210> 414

<211> 57

<212> PRT

<213> Homo sapiens

<400> 414

Met Leu Glu Thr Leu Ser Gln Phe Ile Ser Ile Leu Phe Val Leu Leu
 1 5 10 15

Trp Ile Ile Ser Asp Leu Ile Leu Cys Phe Leu Lys Cys Gly Asn Pro
 20 25 30

Gly Thr Leu Asp Met Val Leu Pro Ile Trp Thr Asn Gln Tyr Ile His
 35 40 45

Ser Ser Arg Ser Ile Leu Ser Phe Ile
 50 55

<210> 415
<211> 57
<212> PRT
<213> Homo sapiens

<400> 415
Met Leu Glu Thr Leu Ser Gln Phe Ile Ser Ile Leu Phe Val Leu Leu
1 5 10 15
Trp Ile Ile Ser Asp Leu Ile Leu Cys Phe Leu Lys Cys Gly Asn Pro
20 25 30
Gly Thr Leu Asp Met Val Leu Pro Ile Trp Thr Asn Gln Tyr Thr His
35 40 45
Ser Ser Arg Ser Ile Leu Ser Phe Ile
50 55

<210> 416
<211> 85
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 416
Leu Leu Phe Leu Leu Gly Met Ala Trp Phe Asn Asp Trp Xaa Ala Ala
1 5 10 15
Leu Tyr Met Pro Ala Phe Cys Ala Ile Leu Val Ala Leu Phe Ala Phe
20 25 30
Ala Met Met Arg Asp Thr Pro Gln Ser Cys Gly Leu Pro Pro Ile Glu
35 40 45
Glu Tyr Lys Asn Asp Tyr Pro Asp Asp Tyr Xaa Glu Lys Ala Glu Gln
50 55 60
Glu Leu Thr Xaa Lys Gln Pro Gly Gly Arg Arg Leu Trp Leu His Pro
65 70 75 80

Ala Tyr Thr Ala Ala
85

<210> 417
<211> 66
<212> PRT
<213> Homo sapiens

<400> 417

Met Leu Phe Met Gly Phe Val Pro Trp Ala Thr Ser Ser Ile Ala Val
1 5 10 15

Met Phe Val Leu Leu Phe Leu Cys Gly Trp Phe Gln Gly Met Gly Trp
20 25 30

Pro Pro Cys Gly Arg Thr Met Val His Trp Trp Ser Gln Lys Glu Arg
35 40 45

Gly Gly Ile Val Ser Val Trp Asn Cys Ala His Asn Val Gly Gly Trp
50 55 60

Val Phe
65

<210> 418
<211> 152
<212> PRT
<213> Homo sapiens

<400> 418

Met Leu Phe Met Gly Phe Val Pro Trp Ala Thr Ser Ser Ile Ala Val
1 5 10 15

Met Phe Val Leu Leu Phe Leu Cys Gly Trp Phe Gln Gly Met Gly Trp
20 25 30

Pro Pro Cys Gly Arg Thr Met Val His Trp Trp Ser Gln Lys Glu Arg
35 40 45

Gly Gly Ile Val Ser Val Trp Asn Cys Ala His Asn Val Gly Gly Gly
50 55 60

Ile Pro Pro Leu Leu Phe Leu Leu Gly Met Ala Trp Phe Asn Asp Trp
65 70 75 80

His Ala Ala Leu Tyr Met Pro Ala Phe Cys Ala Ile Leu Val Ala Leu
85 90 95

Phe Ala Phe Ala Met Met Arg Asp Thr Pro Gln Ser Cys Gly Leu Pro
100 105 110

Pro Ile Glu Glu Tyr Lys Asn Asp Tyr Pro Asp Asp Tyr Asn Glu Lys

115		120		125
Ala Glu Gln Glu Leu Thr	Ala Lys Gln Pro Gly Gly Arg Arg Leu Trp			
130	135	140		
Leu His Pro Ala Tyr Thr	Ala Ala			
145	150			

<210> 419
 <211> 85
 <212> PRT
 <213> Homo sapiens

<400> 419
Met Val Met Gly Leu Lys Ala Leu Pro Glu Pro Phe Met Ser Leu Val
1 5 10 15
Ser His Leu Leu Arg Thr Phe Phe Leu Val Trp Phe Val Gly Leu Pro
20 25 30
Val Ala Ile Leu Gly Asn Leu Leu Glu Cys Tyr Ala Asn Val Phe Thr
35 40 45
Gly Asn Gly Gly Gly Pro Glu Pro Trp Gly Gly His Leu Val Ser Glu
50 55 60
Cys Leu Ala Leu Pro Gln Leu Gly Ile Gln Tyr Leu Ala Leu Ser Gly
65 70 75 80
Gly Ile Ile Trp Leu
85

<210> 420
 <211> 85
 <212> PRT
 <213> Homo sapiens

<400> 420
Met Val Met Gly Leu Lys Ala Leu Pro Glu Pro Phe Met Ser Leu Val
1 5 10 15
Ser His Leu Leu Arg Thr Phe Phe Leu Val Trp Phe Val Gly Leu Pro
20 25 30
Val Ala Ile Leu Gly Asn Leu Leu Glu Cys Tyr Ala Asn Val Phe Thr
35 40 45
Gly Asn Gly Gly Gly Pro Glu Pro Trp Gly Gly His Leu Val Ser Glu
50 55 60
Cys Leu Ala Leu Pro Gln Leu Gly Ile Gln Tyr Leu Ala Leu Ser Gly
65 70 75 80

Gly Ile Ile Trp Leu
85

<210> 421
<211> 64
<212> PRT
<213> Homo sapiens

<400> 421
Met Trp Glu Thr Tyr Ile Trp Leu Val Leu Thr Phe Ala Gln Lys Ala
1 5 10 15

Cys Cys Met Lys Leu Thr Ala Thr Met Leu Lys Gln Ile His Ile Lys
20 25 30

Lys Cys Arg Ser Ile Gln Trp Leu Leu Arg Val Asn Ser Phe Met Glu
35 40 45

Ser Ser Met Ser Leu Ser Ser Lys Ile Arg Pro His Gln Arg Arg Asn
50 55 60

<210> 422
<211> 64
<212> PRT
<213> Homo sapiens

<400> 422
Met Trp Glu Thr Tyr Ile Trp Leu Val Leu Thr Phe Ala Gln Lys Ala
1 5 10 15

Cys Cys Met Lys Leu Thr Ala Thr Met Leu Lys Gln Ile His Ile Lys
20 25 30

Lys Cys Arg Ser Ile Gln Trp Leu Leu Arg Val Asn Ser Phe Met Glu
35 40 45

Ser Ser Met Ser Leu Ser Ser Lys Ile Arg Pro His Gln Arg Arg Asn
50 55 60

<210> 423
<211> 47
<212> PRT
<213> Homo sapiens

<400> 423

Ser Gln Leu Leu Arg Lys Leu Arg Trp Glu Asp Gly Leu Ser Leu Gly
 1 5 10 15
 Gly Arg Val Cys Ser Glu Pro Arg Leu His His Cys Thr Pro Ala Trp
 20 25 30
 Val Ile Gly Pro Gly Leu Val Leu Thr Thr Thr Thr Glu Lys Lys
 35 40 45

<210> 424
 <211> 54
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (23)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 424
 Ile Glu Thr Xaa Arg Phe Gly Gly Lys Gln Met Glu Leu Gln Glu Ile
 1 5 10 15

Lys Ser Ile Ile Ser Ser Xaa Met Trp Trp Leu Met Pro Leu Ile Leu
 20 25 30

Val Thr Gln Glu Ala Glu Ala Gly Gly Ser Leu Glu Ala Arg Ser Leu
 35 40 45

Arg Pro Pro Trp Ala Thr
 50

<210> 425
 <211> 199
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (195)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 425
 Lys Ala Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro
 1 5 10 15

Thr Arg Pro Ile Tyr Ile Arg Arg Tyr Val Phe Lys Leu Gly Val Leu
 20 25 30

Pro Phe Pro His Cys Leu Ser Tyr Arg Ser His Cys Ser Ser Ser Cys
 35 40 45
 Leu Thr Arg Pro Pro Gly Ala Trp Gln Arg Cys Ala Ser Thr Ser Cys
 50 55 60
 Trp Gly Pro Trp Ser Ser Arg Ser Trp Pro Arg Gly Pro Leu Gly Pro
 65 70 75 80
 Thr Pro Arg Pro Ser Trp Ser Gly Trp Pro Asp Gly Gly Gly Ala Ala
 85 90 95
 Trp Arg Trp Met Cys Ser Pro Ser Ala Arg Ser Ala Thr Arg Pro Arg
 100 105 110
 Trp Ser Leu Gly Pro Pro Gly Ser Ser Trp Leu Gly Gly Ser Cys Arg
 115 120 125
 Ala Glu Ala Trp Xaa Arg Leu Pro Gly Ala Gly Leu Cys His Cys Thr
 130 135 140
 Pro Xaa Thr His Gly Arg Thr Trp Leu Ala Ala Thr Leu Cys Trp Thr
 145 150 155 160

<210> 427
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 427
 Trp Pro Ser Ser Ser Arg Thr Leu Ser Ser Ser Arg Arg
 1 5 10

<210> 428
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 428
 Ile Leu Lys Ser Glu Pro Lys Leu Val Ser Phe Ile Asn Ile Leu Gly
 1 5 10 15
 Lys Glu Glu Arg Lys Lys Glu Gly Gly Arg Glu Arg Lys Lys Glu Arg
 20 25 30
 Lys Lys Glu Arg Lys Lys Glu Arg Lys Lys Lys Lys Lys Asn Ser
 35 40 45

<210> 429
<211> 80
<212> PRT
<213> Homo sapiens

<400> 429
Met Ser Leu Ile Trp Arg Asp Val Tyr Leu Tyr Gly Cys Gly Cys Ile
1 5 10 15
Cys His Gly Arg Cys Cys Ala Gly Phe Pro Gln His Ser Arg His Val
20 25 30
Trp Arg Thr Asn Ala Gly Leu Ile Leu Pro Gly Asn Arg Val Pro Phe
35 40 45
Cys Glu Leu Glu Gly Cys Thr Arg Arg Ser Ser Tyr Trp Asn His Leu
50 55 60
Val Ile Leu Gly Gly His Trp Gly Leu His Leu Pro Cys Thr Ser Leu
65 70 75 80

<210> 430
<211> 80
<212> PRT
<213> Homo sapiens

<400> 430
Met Ser Leu Ile Trp Arg Asp Val Tyr Leu Tyr Gly Cys Gly Cys Ile
1 5 10 15
Cys His Gly Arg Cys Cys Ala Gly Phe Pro Gln His Ser Arg His Val
20 25 30
Trp Arg Thr Asn Ala Gly Leu Ile Leu Pro Gly Asn Arg Val Pro Phe
35 40 45
Cys Glu Leu Glu Gly Cys Thr Arg Arg Ser Ser Tyr Trp Asn His Leu
50 55 60
Val Ile Leu Gly Gly His Trp Gly Leu His Leu Pro Cys Thr Ser Leu
65 70 75 80

<210> 431
<211> 107
<212> PRT
<213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (13)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 431
 Leu Gly Lys Val Gly Asn Xaa Cys Arg Tyr Arg Ser Xaa Ile Pro Gly
 1 5 10 15
 Xaa Thr His Ala Ser Gly Leu Glu Ser Thr Phe Glu Leu Pro Glu Glu
 20 25 30
 Phe Arg Phe Leu Leu Val Ser Phe Val Phe Gln Thr His Glu Met Ala
 35 40 45
 Thr Asp Asp Lys Thr Ser Pro Thr Leu Asp Ser Ala Asn Asp Leu Pro
 50 55 60
 Arg Ser Pro Thr Ser Ser Ser His Leu Thr His Phe Lys Pro Leu Thr
 65 70 75 80
 Pro Asp Gln Asp Glu Pro Pro Phe Lys Ser Ala Tyr Ser Ser Phe Val
 85 90 95
 Asn Leu Phe Arg Phe Asn Lys Gly Lys Thr Tyr
 100 105

<210> 432
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 432
 Met Cys Cys Arg Ala Ile Ser Gly Cys Cys Gly Thr Cys Leu Ala Cys
 1 5 10 15
 Leu Cys Ser Thr Ala Ser Gly Ala Pro Gln Pro Trp Pro Cys Ser Arg
 20 25 30
 Gln Ser Thr Trp Arg Leu Ile Pro Arg Pro Ser Ala Pro Thr
 35 40 45

<210> 433
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 433
Ser Gly Phe Val Xaa Ala Trp Ser Ile Leu Thr Pro Gly Cys Ile Ser
1 5 10 15
Pro Ala Gly Glu Lys Cys Arg Gly Gly Lys Gln Ser Leu Gly Thr Asn
20 25 30
Tyr Phe Xaa Xaa Val Leu Leu Ala Thr Asp Ser
35 40

<210> 434
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 434
Met His Leu Pro Leu Ser Thr Lys Gly Ile Leu Pro Arg Ile Leu Leu
1 5 10 15
Leu Phe Ile Lys Thr Leu Phe Ala Phe Leu Leu Ser Asp Gln Cys Lys
20 25 30
Gly Leu Ala His Leu Trp Leu Arg Arg Arg Glu Cys Gly Pro Gly Gly
35 40 45
Leu Thr Cys Ala Ala Glu Glu Leu Lys Ser Tyr Thr Ser Ile Phe Ala
50 55 60
Pro Lys Leu Gly Val Val Gly Gly Xaa Glu Met Lys
65 70 75

<210> 435
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 435
Pro Ile Ser Thr Lys Asn Arg Lys Ile Ser Arg Xaa Trp Xaa Cys Val
1 5 10 15
Pro Val Ile Pro Ala Thr Arg Glu Ala Glu Ala Gly Glu Ser Leu Glu
20 25 30
Pro Arg Arg Trp Arg Xaa
35

<210> 436
<211> 74
<212> PRT
<213> Homo sapiens

<400> 436
Leu Tyr Gly Lys Ser Lys Thr Glu Val Lys Ile Ser Pro Val Ser Asn
1 5 10 15
Leu His Ser Phe Arg Leu Gln Gly Val Ser Leu Tyr Val Glu Ala Gly
20 25 30
Ser Leu Val Glu Phe Gln Gly Ser Lys Arg Gly Thr Asn Ile Cys Arg
35 40 45
Phe Cys Leu Leu Trp Gly Asn Ser Phe Asn His Gln Glu Asn Ser Ser
50 55 60
Ile Gly Phe Ile Cys Ser Gly Leu Pro Arg
65 70

<210> 437
<211> 58
<212> PRT
<213> Homo sapiens

<400> 437
Met Ala Trp Ser Arg Ala Ala Trp Thr Val Met Arg Ser Leu Leu Ile
1 5 10 15
Cys Trp Leu Val Ser Ala Tyr Ile Leu Ala Thr Val Thr Asp Val Gln
20 25 30
Gly Ser His Ile Gly Ile Pro Gly Ser Leu Leu Glu Leu Arg His His
35 40 45
Pro Arg Ser Asn Glu Ser Glu Ser Ala Cys
50 55

<210> 438
<211> 58
<212> PRT
<213> Homo sapiens

<400> 438
Met Ala Trp Ser Arg Ala Ala Trp Thr Val Met Arg Ser Leu Leu Ile
1 5 10 15
Cys Trp Leu Val Ser Ala Tyr Ile Leu Ala Thr Val Thr Asp Val Gln
20 25 30
Gly Ser His Ile Gly Ile Pro Gly Ser Leu Leu Glu Leu Arg His His
35 40 45
Pro Arg Ser Asn Glu Ser Glu Ser Ala Cys
50 55

<210> 439
<211> 14
<212> PRT
<213> Homo sapiens

<400> 439
Trp Arg Arg Gln Ala Arg Val Glu Ser Leu Leu Pro Met Leu
1 5 10

<210> 440
<211> 60
<212> PRT
<213> Homo sapiens

<400> 440

Met Trp Asp Leu Ser Pro Ser Thr Leu Ser Leu Leu Leu Leu Ser
1 5 10 15

Pro Cys Asp Val Pro Ala Leu Ala Leu Pro Ser Ala Met Ser Lys Ser
20 25 30

Leu Leu Ser Leu Leu Arg Ser Arg Cys Cys His Ala Ser Trp Thr Ala
35 40 45

Cys Arg Thr Val Asn Gln Leu Asn Leu Phe Ser Leu
50 55 60

<210> 441

<211> 6

<212> PRT

<213> Homo sapiens

<400> 441

Pro Cys Asp Val His Phe
1 5

<210> 442

<211> 60

<212> PRT

<213> Homo sapiens

<400> 442

Met Trp Asp Leu Ser Pro Ser Thr Leu Ser Leu Leu Leu Leu Ser
1 5 10 15

Pro Cys Asp Val Pro Ala Leu Ala Leu Pro Ser Ala Met Ser Lys Ser
20 25 30

Leu Leu Ser Leu Leu Arg Ser Arg Cys Cys His Ala Ser Trp Thr Ala
35 40 45

Cys Arg Thr Val Asn Gln Leu Asn Leu Phe Ser Leu
50 55 60

<210> 443

<211> 52

<212> PRT

<213> Homo sapiens

<400> 443

Met Val Glu His Leu His Leu Thr Tyr His Tyr Leu Lys Leu Pro Cys
1 5 10 15

Ile Phe Ala Cys Leu Leu Leu Tyr Trp Phe Ser Pro Leu Leu Asn Ser
20 25 30

Lys Leu Gln Asp Ser Arg Asp Leu Val Cys Phe Leu Asn Gln Trp His
35 40 45

Thr Val Cys Ala
50

<210> 444
<211> 8
<212> PRT
<213> Homo sapiens

<400> 444
Pro Cys Cys Phe Leu Cys Leu Val
1 5

<210> 445
<211> 87
<212> PRT
<213> Homo sapiens

<400> 445
Pro Cys Cys Phe Leu Cys Leu Val Cys Ser Ser Ser Asp Ser His Lys
1 5 10 15

Ala Ser Ser Ser Ser Ser Pro Thr Leu Ser Thr Pro Leu Pro Cys Leu
20 25 30

Phe Ser Ser His Thr Ser Leu Leu Arg Asn Phe His Ile Ala Ser Leu
35 40 45

Leu Leu Thr Pro Pro Gln Ala Pro Gln Gly Trp Ala Phe Pro Ala Ser
50 55 60

Leu Thr Ala Ala Ala Leu Val Pro Gly Pro Val Pro Gly Thr Gln Leu
65 70 75 80

Val Ala Arg Met Leu Ile Thr
85

<210> 446
<211> 52
<212> PRT
<213> Homo sapiens

<400> 446
Met Val Glu His Leu His Leu Thr Tyr His Tyr Leu Lys Leu Pro Cys
1 5 10 15

Ile Phe Ala Cys Leu Leu Leu Tyr Trp Phe Ser Pro Leu Leu Asn Ser
20 25 30

Lys Leu Gln Asp Ser Arg Asp Leu Val Cys Phe Leu Asn Gln Trp His
35 40 45

Thr Val Cys Ala
50

<210> 447
<211> 31
<212> PRT
<213> Homo sapiens

<400> 447
Met Pro Leu Ser Arg Phe Trp Leu Leu Leu Leu Phe Leu Pro Ser His
1 5 10 15

Ile Ser Val Leu Ser Leu Ile Arg Tyr Pro Ser Val Lys Glu Tyr
20 25 30

<210> 448
<211> 31
<212> PRT
<213> Homo sapiens

<400> 448
Met Pro Leu Ser Arg Phe Trp Leu Leu Leu Leu Phe Leu Pro Ser His
1 5 10 15

Ile Ser Val Leu Ser Leu Ile Arg Tyr Pro Ser Val Lys Glu Tyr
20 25 30

<210> 449
<211> 43
<212> PRT
<213> Homo sapiens

<400> 449
Val Gly Ala Ser Thr Ala His Gly Leu Leu Leu Pro Leu Leu His Ile
1 5 10 15

His Gly Gly Ser Ala Asn Ser Ser Ala Pro His His Pro Asn Pro Trp
20 25 30

Pro Gln Ala Asp Arg Ala Trp Ser His Tyr Leu
35 40

<210> 450
<211> 43
<212> PRT

<213> Homo sapiens

<400> 450

Val Gly Ala Ser Thr Ala His Gly Leu Leu Leu Pro Leu Leu His Ile
1 5 10 15

His Gly Gly Ser Ala Asn Ser Ser Ala Pro His His Pro Asn Pro Trp
20 25 30

Pro Gln Ala Asp Arg Ala Trp Ser His Tyr Leu
35 40

<210> 451

<211> 26

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 451

Gln Phe Lys Gln Tyr Arg Tyr Ala Xaa Gly Met Leu Arg Gly Pro His
1 5 10 15

Ile Pro Val Ser Tyr Pro Asn Met Tyr Phe
20 25

<210> 452

<211> 62

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 452

Met His Phe Ala Ala Pro Phe Gln Leu Gln Ser Gln Thr Phe Arg Tyr
1 5 10 15

Glu Val Gly Ser Val Arg Lys Ser Gln Gln Val Leu Lys Ala Val Val
20 25 30

Thr Ala Leu Leu Ile Pro Ala Phe Ser Ser Leu Ser Ser Lys Ala Cys
35 40 45

Lys Ala Ser Phe Gly Lys Lys Lys Lys Xaa Lys Gly Lys Xaa
50 55 60

<210> 453
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 453
Glu Gln Leu Leu Glu Ser Ser Leu Ser Ser Thr Ser Cys Glu Thr Leu
1 5 10 15

Ser Ser Tyr Ala Ser Gly Arg Trp Leu Leu Ser Pro His Thr Pro Ala
20 25 30

Cys Arg Val Arg Xaa Tyr Ile Xaa Gly Thr Asp Arg Met Trp Xaa Pro
35 40 45

Arg Ser Met Pro Ser Ala Thr Asp Ile Ala
50 55

<210> 454
<211> 64
<212> PRT
<213> Homo sapiens

<400> 454
Met Ser Ala Thr His Pro Val Pro Trp Ser Val Thr Thr Trp Cys Phe
1 5 10 15

Phe Cys Thr Trp Asn Ala Thr Cys Ser Ala Gly Pro Ser Pro Gly His
20 25 30

Arg Val Ser Ser Ser Thr Ala Ser Phe Ile Arg Val Ser Tyr Phe Pro
35 40 45

Ser Tyr Phe Ser Ser Pro Leu Ser Val Thr Cys Val Pro Val Ser Ser

50

55

60

<210> 455

<211> 318

<212> PRT

<213> Homo sapiens

<400> 455

Glu Ala Lys Ala Gln Phe Trp Leu Leu His Ser Tyr Leu Phe Cys His
 1 5 10 15

Ser Ser Asn Val Pro Asp Leu Leu Arg Pro Arg Met Thr Asn Asp Ser
 20 25 30

Glu Gly Lys Met Gly Phe Lys His Pro Lys Ile Met Gly Asn Phe Arg
 35 40 45

Gly His Ala Leu Pro Gly Thr Phe Phe Phe Ile Ile Gly Leu Trp Trp
 50 55 60

Cys Thr Lys Ser Ile Leu Lys Tyr Ile Cys Lys Lys Gln Lys Arg Thr
 65 70 75 80

Cys Tyr Leu Gly Ser Lys Thr Leu Phe Tyr Arg Leu Glu Ile Leu Glu
 85 90 95

Gly Ile Thr Ile Val Gly Met Ala Leu Thr Gly Met Ala Gly Glu Gln
 100 105 110

Phe Ile Pro Gly Gly Pro His Leu Met Leu Tyr Asp Tyr Lys Gln Gly
 115 120 125

His Trp Asn Gln Leu Leu Gly Trp His His Phe Thr Met Tyr Phe Phe
 130 135 140

Phe Gly Leu Leu Gly Val Ala Asp Ile Leu Cys Phe Thr Ile Ser Ser
 145 150 155 160

Leu Pro Val Ser Leu Thr Lys Leu Met Leu Ser Asn Ala Leu Phe Val
 165 170 175

Glu Ala Phe Ile Phe Tyr Asn His Thr His Gly Arg Glu Met Leu Asp
 180 185 190

Ile Phe Val His Gln Leu Leu Val Leu Val Val Phe Leu Thr Gly Leu
 195 200 205

Val Ala Phe Leu Glu Phe Leu Val Arg Asn Asn Val Leu Leu Glu Leu
 210 215 220

Leu Arg Ser Ser Leu Ile Leu Leu Gln Gly Ser Trp Phe Phe Gln Ile
 225 230 235 240

Gly Phe Val Leu Tyr Pro Pro Ser Gly Gly Pro Ala Trp Asp Leu Met
245 250 255

Asp His Glu Asn Ile Leu Phe Leu Thr Ile Cys Phe Cys Trp His Tyr
260 265 270

Ala Val Thr Ile Val Ile Val Gly Met Asn Tyr Ala Phe Ile Thr Trp
275 280 285

Leu Val Lys Ser Arg Leu Lys Arg Leu Cys Ser Ser Glu Val Gly Leu
290 295 300

Leu Lys Asn Ala Glu Arg Glu Gln Glu Ser Glu Glu Glu Met
305 310 315

<210> 456

<211> 24

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 456

Leu Xaa Lys Leu Lys Met Phe Tyr Lys Phe Ala Phe Lys Phe Ser Tyr
1 5 10 15

Glu Ala Ile Cys Lys Leu His Thr
20

<210> 457

<211> 19

<212> PRT

<213> Homo sapiens

<400> 457

Met Val Ser Ile Leu Tyr Leu Gly Leu Phe Phe Leu Asn Ser Ser Val
1 5 10 15

Leu Tyr Ala

<210> 458

<211> 282

<212> PRT

<213> Homo sapiens

<400> 458

Val	Asn	Arg	Pro	Ser	Trp	Ile	Met	Gly	Asn	Phe	Arg	Gly	His	Ala	Leu	1	5	10	15
Pro	Gly	Thr	Phe	Phe	Phe	Ile	Ile	Gly	Leu	Trp	Trp	Cys	Thr	Lys	Ser	20	25	30	
Ile	Leu	Lys	Tyr	Ile	Cys	Lys	Lys	Gln	Lys	Arg	Thr	Cys	Tyr	Leu	Gly	35	40	45	
Ser	Lys	Thr	Leu	Phe	Tyr	Arg	Leu	Glu	Ile	Leu	Glu	Gly	Ile	Thr	Ile	50	55	60	
Val	Gly	Met	Ala	Leu	Thr	Gly	Met	Ala	Gly	Glu	Gln	Phe	Ile	Pro	Gly	65	70	75	80
Gly	Pro	His	Leu	Met	Leu	Tyr	Asp	Tyr	Lys	Gln	Gly	His	Trp	Asn	Gln	85	90	95	
Leu	Leu	Gly	Trp	His	His	Phe	Thr	Met	Tyr	Phe	Phe	Phe	Gly	Leu	Leu	100	105	110	
Gly	Val	Ala	Asp	Ile	Leu	Cys	Phe	Thr	Ile	Ser	Ser	Leu	Pro	Val	Ser	115	120	125	
Leu	Thr	Lys	Leu	Met	Leu	Ser	Asn	Ala	Leu	Phe	Val	Glu	Ala	Phe	Ile	130	135	140	
Phe	Tyr	Asn	His	Thr	His	Gly	Arg	Glu	Met	Leu	Asp	Ile	Phe	Val	His	145	150	155	160
Gln	Leu	Leu	Val	Leu	Val	Val	Phe	Leu	Thr	Gly	Leu	Val	Ala	Phe	Leu	165	170	175	
Glu	Phe	Leu	Val	Arg	Asn	Asn	Val	Leu	Leu	Glu	Leu	Leu	Arg	Ser	Ser	180	185	190	
Leu	Ile	Leu	Leu	Gln	Gly	Ser	Trp	Phe	Phe	Gln	Ile	Gly	Phe	Val	Leu	195	200	205	
Tyr	Pro	Pro	Ser	Gly	Gly	Pro	Ala	Trp	Asp	Leu	Met	Asp	His	Glu	Asn	210	215	220	
Ile	Leu	Phe	Leu	Thr	Ile	Cys	Phe	Cys	Trp	His	Tyr	Ala	Val	Thr	Ile	225	230	235	240
Val	Ile	Val	Gly	Met	Asn	Tyr	Ala	Phe	Ile	Thr	Trp	Leu	Val	Lys	Ser	245	250	255	
Arg	Leu	Lys	Arg	Leu	Cys	Ser	Ser	Glu	Val	Gly	Leu	Leu	Lys	Asn	Ala	260	265	270	
Glu	Arg	Glu	Gln	Glu	Ser	Glu	Glu	Glu	Met	275	280								

<211> 19
<212> PRT
<213> Homo sapiens

<400> 459
Met Val Ser Ile Leu Tyr Leu Gly Leu Phe Phe Leu Asn Ser Ser Val
1 5 10 15

Leu Tyr Ala

<210> 460
<211> 47
<212> PRT
<213> Homo sapiens

<400> 460
Met Arg Val Gln Glu Leu Leu Leu Phe Leu Val Gly Gly Gly Val Thr
1 5 10 15

Glu Gly Cys Thr Glu Glu Val Thr Pro Leu Cys Leu Phe Leu Ala Asn
20 25 30

Asn Glu Val Leu Arg Thr Leu Thr Cys Arg Gln Ser Leu Ala Gln
35 40 45

<210> 461
<211> 136
<212> PRT
<213> Homo sapiens

<400> 461
Ser Ala Gln Ala Leu His His Pro Pro His Gln Gly Pro Pro Leu Phe
1 5 10 15

Pro Ser Ser Ala His Pro Thr Val Pro Pro Tyr Pro Ser Gln Ala Thr
20 25 30

His His Thr Thr Leu Gly Pro Gly Pro Gln His Gln Pro Ser Gly Thr
35 40 45

Gly Pro His Cys Pro Leu Pro Val Thr Gly Pro His Leu Gln Pro Gln
50 55 60

Gly Pro Asn Ser Ile Pro Thr Pro Thr Ala Ser Gly Phe Cys Pro His
65 70 75 80

Pro Gly Ser Val Ala Leu Pro Trp Gly Phe Lys Asp Leu Ser Arg His
85 90 95

Leu Gln Cys Leu Asp Arg Phe Gln Phe Thr Glu His Arg Cys His Gln
100 105 110

His Phe Lys Thr Ile Thr Met Gly Gln Gly Gly Ile Lys Met Asp Ser
115 120 125

Lys Asn Ile Phe Leu Asn Val Leu
130 135

<210> 462
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 462
Met Ala Val Phe Leu Ile Ser Ser Ser Tyr Phe Leu Leu Cys Val Phe
1 5 10 15

Thr Ile Arg Ser Leu Arg Ala Trp Val Leu Pro Phe Thr Ser Val Pro
20 25 30

Arg Ala Gln Gly Gly Ser Cys Cys Arg Ser Gln Trp Leu Tyr Lys Thr
35 40 45

Leu Pro Pro Xaa Leu Val Cys Lys Pro Val
50 55

<210> 463
<211> 58
<212> PRT
<213> Homo sapiens

<400> 463
Met Ala Val Phe Leu Ile Ser Ser Ser Tyr Phe Leu Leu Cys Val Phe
1 5 10 15

Thr Ile Arg Ser Leu Arg Ala Trp Val Leu Pro Phe Thr Ser Val Pro
20 25 30

Arg Ala Gln Gly Gly Ser Cys Cys Arg Ser Gln Trp Leu Tyr Lys Thr
35 40 45

Leu Pro Pro Cys Leu Val Cys Lys Pro Val
50 55

<210> 464
<211> 58
<212> PRT
<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 464

Met Ala Val Phe Leu Ile Ser Ser Ser Tyr Phe Leu Leu Cys Val Phe
1 5 10 15

Thr Ile Arg Ser Leu Arg Ala Trp Val Leu Pro Phe Thr Ser Val Pro
20 25 30

Arg Ala Gln Gly Gly Ser Cys Cys Arg Ser Gln Trp Leu Tyr Lys Thr
35 40 45

Leu Pro Pro Xaa Leu Val Cys Lys Pro Val
50 55

<210> 465

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 465

Ser Arg Cys Ala Gly Ala Pro Leu Gln Asn Asn Gly Pro Val Arg Glu
1 5 10 15

Ala Thr Xaa Leu Thr Leu Gln Asn Xaa Gly Pro Xaa Arg Glu Ala Thr
20 25 30

His Leu Thr Leu Gln Asn Asn Gly Pro Met Arg Glu Ala Xaa His Leu
35 40 45

Val Leu His Lys Trp Ser Ile Cys Leu Arg

50

55

<210> 466
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 466
 Met Pro Tyr Gly Pro Asp Pro Ile Leu Ser Asn Val Leu Leu Ala Gly
 1 5 10 15
 Tyr Ile Val Leu Gln Thr Leu Ser Cys Pro Arg
 20 25

<210> 467
 <211> 139
 <212> PRT
 <213> Homo sapiens

<400> 467
 Met Val Thr Val Gly Leu Val Ile Cys Phe Ser Glu Trp Cys Cys Ala
 1 5 10 15
 Gly Gly Leu Ser Ala Glu Gln Thr Val Ser Asp Lys His Ile Asp Ala
 20 25 30
 Leu Met Lys Glu Lys Glu Ala Gly Lys Ser Ser Gly His Tyr Asp Pro
 35 40 45
 Arg His Gln Gly Gln Ala Leu Glu Glu Pro Ser Val His Ser Cys Ile
 50 55 60
 Tyr Tyr Leu Leu Thr Glu Gln Thr Gln Lys Val Ser Thr Arg Thr Ser
 65 70 75 80
 Leu Leu Arg Tyr Arg Trp Pro Cys Glu Glu Val Gly Trp Cys Trp Gly
 85 90 95
 Leu Asp Leu Thr Gly Cys Pro Val Val Ile Gln His Glu Gly Val Ala
 100 105 110
 Gly Ser Glu Ile Ile Ile Ser Asp Tyr Pro Leu Thr Asn Glu Asn Ile
 115 120 125
 Lys Gly Ile Pro Glu Ile Cys Leu Phe His Ile
 130 135

<210> 468
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 468

Met Leu Ala Ile Lys Val Leu Ile Val Val Phe Leu Leu Gln Leu Ser
1 5 10 15

Trp Cys Phe Leu Leu Val Leu Leu Phe His Ser Leu Ile Lys Gly Thr
20 25 30

Met Ile Asp Ile Pro Ala Pro Tyr Lys Glu Ile
35 40

<210> 469

<211> 38

<212> PRT

<213> Homo sapiens

<400> 469

Cys Phe Leu Leu Ala Asp Val Gly Asn Ser Ile Ile Phe Ile Thr Asn
1 5 10 15

Phe Met Glu Gln His Gln Phe Arg Val Lys Leu Glu Asn Gln Cys Ile
20 25 30

Leu Ile Phe Val Asp Tyr
35

<210> 470

<211> 4

<212> PRT

<213> Homo sapiens

<400> 470

Val Gly Phe Leu
1

<210> 471

<211> 77

<212> PRT

<213> Homo sapiens

<400> 471

Ala Pro Arg Arg Gln Ala Gln Glu Trp Leu Gly Arg Thr Gly Asn Thr
1 5 10 15

Phe Ala Pro Arg Leu Ala Val Thr Ser Val Lys Ala Asp Arg Arg Glu
20 25 30

Met Gly Pro Ser Ser Ser Val Val Ala Ala Ser Pro Ser Leu Gln Asp
35 40 45

Arg Val Ile Ile Thr Ile Asn Asn Pro Ser Arg Val Lys Lys Lys Lys

50	55	60
Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys		
65	70	75

<210> 472
 <211> 245
 <212> PRT
 <213> Homo sapiens

<400> 472
 Ala Trp Arg Arg Arg Ser Gly Thr Ser Gly Lys Ala Thr Trp Trp
 1 5 10 15
 Cys Ser Gly Leu Arg Arg Ala Ser Pro Thr Pro Ser Arg Arg Val Gln
 20 25 30
 Ser Trp Ala Thr Ala Val Met Trp Lys Pro Ser Pro Ser Ser Ser Pro
 35 40 45
 Ala Ser Trp Ser Cys Thr Ala Leu Arg Ala Pro Gln Ser Cys Leu Arg
 50 55 60
 Ala Ala Thr Val Arg Pro Val Thr Leu Gln Ala Arg Ala Asp Ser Pro
 65 70 75 80
 Thr Val Pro Glu Pro Val His Arg Pro Gln Asp Pro Trp His Ile Pro
 85 90 95
 Gly Val Pro Glu Pro Val His Arg Pro Gln Asp Pro Trp His Ile Pro
 100 105 110
 Gly Val Pro Glu Pro Val His Arg Pro Gln Asp Pro Trp His Ile Pro
 115 120 125
 Gly Val Pro Glu Pro Val His Arg Pro Gln Asp Pro Trp Pro Trp Leu
 130 135 140
 Gln Leu Val Pro Pro Ala Glu Leu Ala Tyr Cys Leu Leu Met Leu Leu
 145 150 155 160
 Leu Ala His Cys Met Lys Gln Gln Ala Arg Pro Gly His Pro Asp Phe
 165 170 175
 Leu His Arg Glu Ala Trp Ala Cys Leu Ser Ala Ala Gly Gly Leu Ala
 180 185 190
 Ser Pro Gly Leu Leu Leu Trp Ala Thr Ala Arg Pro Arg Ala Ser Gly
 195 200 205
 Glu Ala Gly Pro Gly Arg Ala Leu Val Gly Ala Asp Ala Ala Cys Cys
 210 215 220
 Pro Arg His Ser Val Leu Ser Leu Val Asp Ile Pro Ser Gly Gln Val
 225 230 235 240

Leu Pro Gln Gly Gln
245

<210> 473
<211> 43
<212> PRT
<213> Homo sapiens

<400> 473
Met Ala Ala Arg Gly Arg Ser Gly Val Gly Pro Pro Gly Phe Leu Arg
1 5 10 15
Ala Leu Ala Leu Leu Gln Leu Ser Cys Gly Phe Tyr Trp Ala Cys Ser
20 25 30
Arg Gly Trp Met Val Arg Gly Thr Pro His Pro
35 40

<210> 474
<211> 43
<212> PRT
<213> Homo sapiens

<400> 474
Met Ala Ala Arg Gly Arg Ser Gly Val Gly Pro Pro Gly Phe Leu Arg
1 5 10 15
Ala Leu Ala Leu Leu Gln Leu Ser Cys Gly Phe Tyr Trp Ala Cys Ser
20 25 30
Arg Gly Trp Met Val Arg Gly Thr Pro His Pro
35 40

<210> 475
<211> 43
<212> PRT
<213> Homo sapiens

<400> 475
Met Phe Asn Leu Ser Phe Phe Thr Leu Tyr Gly Leu Cys Met Leu Lys
1 5 10 15
Leu His Ser Ala Ser Ser Trp Phe Thr Leu Leu Leu Leu Ile Ser Leu
20 25 30
Phe Leu Ser Val Val Tyr Cys Gln Ser Thr Asn
35 40

<210> 476
<211> 2
<212> PRT
<213> Homo sapiens

<400> 476
Leu His
1

<210> 477
<211> 43
<212> PRT
<213> Homo sapiens

<400> 477
Met Phe Asn Leu Ser Phe Phe Thr Leu Tyr Gly Leu Cys Met Leu Lys
1 5 10 15
Leu His Ser Ala Ser Ser Trp Phe Thr Leu Leu Leu Leu Ile Ser Leu
20 25 30
Phe Leu Ser Val Val Tyr Cys Gln Ser Thr Asn
35 40

<210> 478
<211> 47
<212> PRT
<213> Homo sapiens

<400> 478
Met Ser Leu Leu Leu Pro Pro Leu Ala Leu Leu Leu Leu Leu Ala Ala
1 5 10 15
Leu Val Ala Pro Ala Thr Ala Ala Thr Ala Tyr Arg Pro Asp Trp Asn
20 25 30
Arg Leu Ser Gly Leu Thr Arg Ala Arg Val Glu Thr Cys Gly Gly
35 40 45

<210> 479
<211> 47
<212> PRT
<213> Homo sapiens

<400> 479
Met Ser Leu Leu Leu Pro Pro Leu Ala Leu Leu Leu Leu Leu Ala Ala
1 5 10 15
Leu Val Ala Pro Ala Thr Ala Ala Thr Ala Tyr Arg Pro Asp Trp Asn
20 25 30

Arg Leu Ser Gly Leu Thr Arg Ala Arg Val Glu Thr Cys Gly Gly
 35 40 45

<210> 480
 <211> 365
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (313)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (316)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (333)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (335)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (338)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (339)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (352)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (355)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 480
 Met Leu Ser Gly Val Trp Phe Leu Ser Val Leu Thr Val Ala Gly Ile
 1 5 10 15

Leu Gln Thr Glu Ser Arg Lys Thr Ala Lys Asp Ile Cys Lys Ile Arg
 20 25 30

Cys	Leu	Cys	Glu	Glu	Lys	Glu	Asn	Val	Leu	Asn	Ile	Asn	Cys	Glu	Asn	35	40	45	
Lys	Gly	Phe	Thr	Thr	Val	Ser	Leu	Leu	Gln	Pro	Pro	Gln	Tyr	Arg	Ile	50	55	60	
Tyr	Gln	Leu	Phe	Leu	Asn	Gly	Asn	Leu	Leu	Thr	Arg	Leu	Tyr	Pro	Asn	65	70	75	80
Glu	Phe	Val	Asn	Tyr	Ser	Asn	Ala	Val	Thr	Leu	His	Leu	Gly	Asn	Asn	85	90	95	
Gly	Leu	Gln	Glu	Ile	Arg	Thr	Gly	Ala	Phe	Ser	Gly	Leu	Lys	Thr	Leu	100	105	110	
Lys	Arg	Leu	His	Leu	Asn	Asn	Asn	Lys	Leu	Glu	Ile	Leu	Arg	Glu	Asp	115	120	125	
Thr	Phe	Leu	Gly	Leu	Glu	Ser	Leu	Glu	Tyr	Leu	Gln	Ala	Asp	Tyr	Asn	130	135	140	
Tyr	Ile	Ser	Ala	Ile	Glu	Ala	Gly	Ala	Phe	Ser	Lys	Leu	Asn	Lys	Leu	145	150	155	160
Lys	Val	Leu	Ile	Leu	Asn	Asp	Asn	Leu	Leu	Leu	Ser	Leu	Pro	Ser	Asn	165	170	175	
Val	Phe	Arg	Phe	Val	Leu	Leu	Thr	His	Leu	Asp	Leu	Arg	Gly	Asn	Arg	180	185	190	
Leu	Lys	Val	Met	Pro	Phe	Ala	Gly	Val	Leu	Glu	His	Ile	Gly	Gly	Ile	195	200	205	
Met	Glu	Ile	Gln	Leu	Glu	Glu	Asn	Pro	Trp	Asn	Cys	Thr	Cys	Asp	Leu	210	215	220	
Leu	Pro	Leu	Lys	Ala	Trp	Leu	Asp	Thr	Ile	Thr	Val	Phe	Val	Gly	Glu	225	230	235	240
Ile	Val	Cys	Glu	Thr	Pro	Phe	Arg	Leu	His	Gly	Lys	Asp	Val	Thr	Gln	245	250	255	
Leu	Thr	Arg	Gln	Asp	Leu	Cys	Pro	Arg	Lys	Ser	Ala	Ser	Asp	Ser	Ser	260	265	270	
Gln	Arg	Gly	Ser	His	Ala	Asp	Thr	His	Val	Gln	Arg	Leu	Ser	Pro	Thr	275	280	285	
Met	Asn	Pro	Ala	Leu	Asn	Pro	Thr	Arg	Ala	Pro	Lys	Ala	Ser	Arg	Pro	290	295	300	
Pro	Lys	Met	Arg	Asn	Arg	Pro	Thr	Xaa	Arg	Val	Xaa	Val	Ser	Lys	Asp	305	310	315	320
Arg	Gln	Ser	Phe	Gly	Pro	Ile	Met	Val	Tyr	Gln	Thr	Xaa	Val	Xaa	Cys	325	330	335	

Ala Xaa Xaa Leu Ser Gln Gln Leu Cys Leu His Leu Ser Glu Leu Xaa
340 345 350

Gln Trp Xaa Glu Cys Lys Leu Pro Arg Lys Glu Val His
355 360 365

<210> 481
<211> 23
<212> PRT
<213> Homo sapiens

<400> 481
Gly Tyr Trp Val Ser Phe Leu Leu His Val Asp Gly Val Leu Ala His
1 5 10 15

Leu Thr Thr Gly Gly Gly Ile
20

<210> 482
<211> 191
<212> PRT
<213> Homo sapiens

<400> 482
Met Leu Ser Gly Val Trp Phe Leu Ser Val Leu Thr Val Ala Gly Ile
1 5 10 15

Leu Gln Thr Glu Ser Arg Lys Thr Ala Lys Asp Ile Cys Lys Ile Arg
20 25 30

Cys Leu Cys Glu Glu Lys Glu Asn Val Leu Asn Ile Asn Cys Glu Asn
35 40 45

Lys Gly Phe Thr Thr Val Ser Leu Leu Gln Pro Pro Gln Tyr Arg Ile
50 55 60

Tyr Gln Leu Phe Leu Asn Gly Asn Leu Leu Thr Arg Leu Tyr Pro Asn
65 70 75 80

Glu Phe Val Asn Tyr Ser Asn Ala Val Thr Leu His Leu Gly Asn Asn
85 90 95

Gly Leu Gln Glu Ile Arg Thr Gly Ala Phe Ser Gly Leu Lys Thr Leu
100 105 110

Lys Arg Leu His Leu Asn Asn Asn Lys Leu Glu Ile Leu Arg Glu Asp
115 120 125

Thr Phe Leu Gly Leu Glu Ser Leu Glu Tyr Leu Gln Ala Asp Tyr Asn
130 135 140

Tyr Ile Ser Ala Ile Glu Ala Gly Ala Phe Ser Lys Leu Asn Lys Leu
145 150 155 160

Lys Val Leu Ile Leu Asn Asp Asn Leu Leu Leu Ser Leu Pro Ser Asn
165 170 175

Val Phe Arg Phe Val Leu Leu Thr His Leu Asp Leu Arg Gly Asn
180 185 190

<210> 483

<211> 845

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (477)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 483

Met Leu Ser Gly Val Trp Phe Leu Ser Val Leu Thr Val Ala Gly Ile
1 5 10 15

Leu Gln Thr Glu Ser Arg Lys Thr Ala Lys Asp Ile Cys Lys Ile Arg
20 25 30

Cys Leu Cys Glu Glu Lys Glu Asn Val Leu Asn Ile Asn Cys Glu Asn
35 40 45

Lys Gly Phe Thr Thr Val Ser Leu Leu Gln Pro Pro Gln Tyr Arg Ile
50 55 60

Tyr Gln Leu Phe Leu Asn Gly Asn Leu Leu Thr Arg Leu Tyr Pro Asn
65 70 75 80

Glu Phe Val Asn Tyr Ser Asn Ala Val Thr Leu His Leu Gly Asn Asn
85 90 95

Gly Leu Gln Glu Ile Arg Thr Gly Ala Phe Ser Gly Leu Lys Thr Leu
100 105 110

Lys Arg Leu His Leu Asn Asn Asn Lys Leu Glu Ile Leu Arg Glu Asp
115 120 125

Thr Phe Leu Gly Leu Glu Ser Leu Glu Tyr Leu Gln Ala Asp Tyr Asn
130 135 140

Tyr Ile Ser Ala Ile Glu Ala Gly Ala Phe Ser Lys Leu Asn Lys Leu
145 150 155 160

Lys Val Leu Ile Leu Asn Asp Asn Leu Leu Leu Ser Leu Pro Ser Asn
165 170 175

Val Phe Arg Phe Val Leu Leu Thr His Leu Asp Leu Arg Gly Asn Arg
180 185 190

Leu Lys Val Met Pro Phe Ala Gly Val Leu Glu His Ile Gly Gly Ile

195					200					205					
Met	Glu	Ile	Gln	Leu	Glu	Glu	Asn	Pro	Trp	Asn	Cys	Thr	Cys	Asp	Leu
210					215					220					
Leu	Pro	Leu	Lys	Ala	Trp	Leu	Asp	Thr	Ile	Thr	Val	Phe	Val	Gly	Glu
225					230					235					240
Ile	Val	Cys	Glu	Thr	Pro	Phe	Arg	Leu	His	Gly	Lys	Asp	Val	Thr	Gln
				245					250					255	
Leu	Thr	Arg	Gln	Asp	Leu	Cys	Pro	Arg	Lys	Ser	Ala	Ser	Asp	Ser	Ser
			260					265					270		
Gln	Arg	Gly	Ser	His	Ala	Asp	Thr	His	Val	Gln	Arg	Leu	Ser	Pro	Thr
		275					280					285			
Met	Asn	Pro	Ala	Leu	Asn	Pro	Thr	Arg	Ala	Pro	Lys	Ala	Ser	Arg	Pro
290					295					300					
Pro	Lys	Met	Arg	Asn	Arg	Pro	Thr	Pro	Arg	Val	Thr	Val	Ser	Lys	Asp
305				310						315					320
Arg	Gln	Ser	Phe	Gly	Pro	Ile	Met	Val	Tyr	Gln	Thr	Lys	Ser	Pro	Val
				325					330					335	
Pro	Leu	Thr	Cys	Pro	Ser	Ser	Cys	Val	Cys	Thr	Ser	Gln	Ser	Ser	Asp
			340					345					350		
Asn	Gly	Leu	Asn	Val	Asn	Cys	Gln	Glu	Arg	Lys	Phe	Thr	Asn	Ile	Ser
		355					360					365			
Asp	Leu	Gln	Pro	Lys	Pro	Thr	Ser	Pro	Lys	Lys	Leu	Tyr	Leu	Thr	Gly
	370					375					380				
Asn	Tyr	Leu	Gln	Thr	Val	Tyr	Lys	Asn	Asp	Leu	Leu	Glu	Tyr	Ser	Ser
385				390					395						400
Leu	Asp	Leu	Leu	His	Leu	Gly	Asn	Asn	Arg	Ile	Ala	Val	Ile	Gln	Glu
				405					410					415	
Gly	Ala	Phe	Thr	Asn	Leu	Thr	Ser	Leu	Arg	Arg	Leu	Tyr	Leu	Asn	Gly
			420					425				430			
Asn	Tyr	Leu	Glu	Val	Leu	Tyr	Pro	Ser	Met	Phe	Asp	Gly	Leu	Gln	Ser
		435					440					445			
Leu	Gln	Tyr	Leu	Tyr	Leu	Glu	Tyr	Asn	Val	Ile	Lys	Glu	Ile	Lys	Pro
	450					455					460				
Leu	Thr	Phe	Asp	Ala	Leu	Ile	Asn	Leu	Gln	Leu	Leu	Xaa	Leu	Asn	Asn
465				470					475					480	
Asn	Leu	Leu	Arg	Ser	Leu	Pro	Asp	Asn	Ile	Phe	Gly	Gly	Thr	Ala	Leu
			485					490						495	
Thr	Arg	Leu	Asn	Leu	Arg	Asn	Asn	His	Phe	Ser	His	Leu	Pro	Val	Lys

500					505					510					
Gly	Val	Leu	Asp	Gln	Leu	Pro	Ala	Phe	Ile	Gln	Ile	Asp	Leu	Gln	Glu
	515						520					525			
Asn	Pro	Trp	Asp	Cys	Thr	Cys	Asp	Ile	Met	Gly	Leu	Lys	Asp	Trp	Thr
	530					535					540				
Glu	His	Ala	Asn	Ser	Pro	Val	Ile	Ile	Asn	Glu	Val	Thr	Cys	Glu	Ser
545						550					555				560
Pro	Ala	Lys	His	Ala	Gly	Glu	Ile	Leu	Lys	Phe	Leu	Gly	Arg	Glu	Ala
				565					570					575	
Ile	Cys	Pro	Asp	Ser	Pro	Asn	Leu	Ser	Asp	Gly	Thr	Val	Leu	Ser	Met
			580					585					590		
Asn	His	Asn	Thr	Asp	Thr	Pro	Arg	Ser	Leu	Ser	Val	Ser	Pro	Ser	Ser
	595						600					605			
Tyr	Pro	Glu	Leu	His	Thr	Glu	Val	Pro	Leu	Ser	Val	Leu	Ile	Leu	Gly
	610					615					620				
Leu	Leu	Val	Val	Phe	Ile	Leu	Ser	Val	Cys	Phe	Gly	Ala	Gly	Leu	Phe
625						630					635				640
Val	Phe	Val	Leu	Lys	Arg	Arg	Lys	Gly	Val	Pro	Ser	Val	Pro	Arg	Asn
				645					650					655	
Thr	Asn	Asn	Leu	Asp	Val	Ser	Ser	Phe	Gln	Leu	Gln	Tyr	Gly	Ser	Tyr
			660					665					670		
Asn	Thr	Glu	Thr	His	Asp	Lys	Thr	Asp	Gly	His	Val	Tyr	Asn	Tyr	Ile
	675						680					685			
Pro	Pro	Pro	Val	Gly	Gln	Met	Cys	Gln	Asn	Pro	Ile	Tyr	Met	Gln	Lys
	690					695					700				
Glu	Gly	Asp	Pro	Val	Ala	Tyr	Tyr	Arg	Asn	Leu	Gln	Glu	Phe	Ser	Tyr
705						710					715				720
Ser	Asn	Leu	Glu	Glu	Lys	Lys	Glu	Glu	Pro	Ala	Thr	Pro	Ala	Tyr	Thr
				725					730					735	
Ile	Ser	Ala	Thr	Glu	Leu	Leu	Glu	Lys	Gln	Ala	Thr	Pro	Arg	Glu	Pro
			740					745					750		
Glu	Leu	Leu	Tyr	Gln	Asn	Ile	Ala	Glu	Arg	Val	Lys	Glu	Leu	Pro	Ser
	755						760					765			
Ala	Gly	Leu	Val	His	Tyr	Asn	Phe	Cys	Thr	Leu	Pro	Lys	Arg	Gln	Phe
	770					775					780				
Ala	Pro	Ser	Tyr	Glu	Ser	Arg	Arg	Gln	Asn	Gln	Asp	Arg	Ile	Asn	Lys
785						790					795				800
Thr	Val	Leu	Tyr	Gly	Thr	Pro	Arg	Lys	Cys	Phe	Val	Gly	Gln	Ser	Lys

	805		810		815
Pro Asn His	Pro Leu Leu Gln Ala Lys	Pro Gln Ser Glu	Pro Asp Tyr		
	820	825	830		
Leu Glu Val	Leu Glu Lys Gln Thr Ala Ile	Ser Gln Leu			
	835	840	845		

<210> 484
 <211> 141
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (125)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (131)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 484
 Phe Cys Leu Leu His Val Pro Ala Ser Cys Tyr Cys Ser Phe Ser Asn
 1 5 10 15
 Gly Ile Thr Ser Pro Cys His Ala Leu Gly Ser Pro Ser Leu Ser Ile
 20 25 30
 Ser Val Leu Leu Ser Trp Leu Asn Pro Ser Thr Ile Leu Asn Thr Gly
 35 40 45
 Ser Ser Cys Pro Ile Pro Arg Leu Thr Leu Ser Asp Leu Pro Ile Ser
 50 55 60
 Leu Ala Phe His Ala Pro Leu Pro Pro Pro Gly Phe Asn Trp Val
 65 70 75 80
 Arg Ala Val Phe Leu Pro Leu Cys Ser Ala Ser Ala Leu Arg Thr Pro
 85 90 95
 Arg Gly Leu Gly Gly Lys Val Leu Thr Ile Phe Thr Leu Cys Leu Pro
 100 105 110
 Leu His His Leu Phe Ile Thr Ser Gln Pro Leu Leu Xaa Gln Val Phe
 115 120 125
 Thr His Xaa Leu Phe Leu Gln Val Phe Asp Trp Arg Glu
 130 135 140

<210> 485
 <211> 8

<212> PRT
<213> Homo sapiens

<400> 485
Ser His Ile Val Thr Cys Leu Gly
1 5

<210> 486
<211> 42
<212> PRT
<213> Homo sapiens

<400> 486
Met Gly Leu Lys Asn Ser Ser Leu Ile Thr Cys Phe Leu Leu Ala Phe
1 5 10 15
Val Val Phe Val Leu Phe Cys Leu Phe Cys Phe Val Phe Leu Cys Tyr
20 25 30
Phe Ile Gly Lys Val Ser Gly Met Cys Ser
35 40

<210> 487
<211> 42
<212> PRT
<213> Homo sapiens

<400> 487
Met Gly Leu Lys Asn Ser Ser Leu Ile Thr Cys Phe Leu Leu Ala Phe
1 5 10 15
Val Val Phe Val Leu Phe Cys Leu Phe Cys Phe Val Phe Leu Cys Tyr
20 25 30
Phe Ile Gly Lys Val Ser Gly Met Cys Ser
35 40

<210> 488
<211> 27
<212> PRT
<213> Homo sapiens

<400> 488
Met Arg Arg Met Ala Ser Ala Leu Leu Leu Asp Gln Leu Thr Lys Ala
1 5 10 15
Leu Leu Ser Gly His Gln Asn Trp Lys Ala Phe
20 25

<210> 489
<211> 137
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 489
Xaa Arg Cys Phe Thr Phe Xaa Phe Thr Asp Ile Val Ile Met Pro Lys
1 5 10 15
Arg Lys Phe Pro Glu Asn Thr Glu Gly Lys Asp Gly Ser Lys Val Thr
20 25 30
Xaa Gln Glu Pro Thr Arg Arg Ser Ala Arg Leu Ser Ala Lys Pro Ala
35 40 45
Pro Pro Lys Pro Glu Pro Lys Pro Arg Lys Thr Ser Ala Lys Lys Glu
50 55 60
Pro Gly Ala Lys Ile Ser Arg Gly Ala Lys Gly Lys Lys Glu Glu Lys
65 70 75 80
Gln Glu Ala Gly Lys Glu Gly Thr Ala Pro Ser Glu Asn Gly Glu Thr
85 90 95
Lys Ala Glu Glu Ile His Ile Ser Arg Ser Thr Val Asn Val Ser Thr
100 105 110
Ser Arg Gly Thr Pro Pro Ser Thr Leu Ser Val Lys Gly Gln Ile Glu
115 120 125
Thr Val Arg Val Lys Gly Thr Glu Asn
130 135

<210> 490
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 490

Asn Lys Pro Asp Thr Gly Arg Lys Ile Leu His Asp Leu Ile Cys Gly
1 5 10 15

Ile Leu Lys Lys Lys Lys Lys Ser Gln Ile Tyr Arg Val Asn Lys
20 25 30

Arg Val Gly Tyr Gln Xaa Gln Val Gly Gly Glu Trp Glu Met
35 40 45

<210> 491

<211> 50

<212> PRT

<213> Homo sapiens

<400> 491

Met Gln Pro Pro Phe Val Leu Thr Thr Thr Thr Met Ile Ser Leu Phe
1 5 10 15

Leu Ala Leu Ile Ser Thr Lys Lys Val His Leu Thr Ile Pro Gln Pro
20 25 30

Phe Thr Ser His Ser Arg Leu Ser Phe Asp Val Phe Lys Arg Lys Ala
35 40 45

Arg Ala
50

<210> 492

<211> 228

<212> PRT

<213> Homo sapiens

<400> 492

Thr Gln Asp His Gln Lys Leu Cys Tyr Ser Ala Leu Ile Leu Ala Met
1 5 10 15

Val Phe Ser Met Gly Glu Ala Val Pro Tyr Ala His Tyr Glu His Leu
20 25 30

Gly Thr Pro Phe Ala Gln Phe Leu Leu Asn Ile Val Glu Asp Gly Leu
35 40 45

Pro Leu Asp Thr Thr Glu Gln Leu Pro Asp Leu Cys Val Asn Leu Leu
50 55 60

Leu Ala Leu Asn Leu His Leu Pro Ala Ala Asp Gln Asn Val Ile Met
65 70 75 80

Ala Ala Leu Ser Lys His Ala Asn Val Lys Ile Phe Ser Glu Lys Leu

85					90					95					
Leu	Leu	Leu	Leu	Asn	Arg	Gly	Asp	Asp	Pro	Val	Arg	Ile	Phe	Lys	His
			100					105						110	
Glu	Pro	Gln	Pro	Pro	His	Ser	Val	Leu	Lys	Phe	Leu	Gln	Asp	Val	Phe
		115					120					125			
Gly	Ser	Pro	Ala	Thr	Ala	Ala	Ile	Phe	Tyr	His	Thr	Asp	Met	Met	Ala
		130				135					140				
Leu	Ile	Asp	Ile	Thr	Val	Arg	His	Ile	Ala	Asp	Leu	Ser	Pro	Gly	Asp
145					150					155					160
Lys	Leu	Arg	Met	Glu	Tyr	Leu	Ser	Leu	Met	His	Ala	Ile	Val	Arg	Thr
			165						170					175	
Thr	Pro	Tyr	Leu	Gln	His	Arg	His	Arg	Leu	Pro	Asp	Leu	Gln	Ala	Ile
			180					185					190		
Leu	Arg	Arg	Ile	Leu	Asn	Glu	Glu	Glu	Thr	Ser	Pro	Gln	Cys	Gln	Met
		195					200					205			
Asp	Arg	Met	Ile	Val	Arg	Glu	Met	Cys	Lys	Glu	Phe	Leu	Val	Leu	Gly
		210				215					220				
Glu	Ala	Pro	Ser												
225															

<210> 493
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 493
 Pro Phe His Phe Ser Thr Pro Ser Ile Thr Gly Leu Phe
 1 5 10

<210> 494
 <211> 2
 <212> PRT
 <213> Homo sapiens

<400> 494
 Phe Leu
 1

<210> 495
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 495

Met Gln Pro Pro Phe Val Leu Thr Thr Thr Thr Met Ile Ser Leu Phe
1 5 10 15
Leu Ala Leu Ile Ser Thr Lys Lys Val His Leu Thr Ile Pro Gln Pro
20 25 30
Phe Thr Ser His Ser Arg Leu Ser Phe Asp Val Phe Lys Arg Lys Ala
35 40 45
Arg Ala
50

<210> 496

<211> 71

<212> PRT

<213> Homo sapiens

<400> 496

Met Phe Ile Phe Ile Leu Met Ile His Leu Ile Tyr Met Trp Ile Gln
1 5 10 15
Gly Thr Lys Phe Met Tyr Lys Ser Ser His Leu Met Asn Val Asp Thr
20 25 30
Phe Leu Glu Asn Ile Tyr Gln Cys Glu Asn Phe Phe Asn Thr Leu Thr
35 40 45
Thr Lys Ile Lys Tyr Ser Leu Ile Ser Leu Phe Asn Lys His Gln Asn
50 55 60
Asn Val Ser Val Phe Ile Leu
65 70

<210> 497

<211> 14

<212> PRT

<213> Homo sapiens

<400> 497

Leu Phe Ile Leu Val Leu His Asn Glu Asp Asn Leu Tyr Gly
1 5 10

<210> 498

<211> 71

<212> PRT

<213> Homo sapiens

<400> 498

Met Phe Ile Phe Ile Leu Met Ile His Leu Ile Tyr Met Trp Ile Gln

1	5	10	15
Gly Thr Lys Phe Met Tyr Lys Ser Ser His Leu Met Asn Val Asp Thr			
	20	25	30
Phe Leu Glu Asn Ile Tyr Gln Cys Glu Asn Phe Phe Asn Thr Leu Thr			
	35	40	45
Thr Lys Ile Lys Tyr Ser Leu Ile Ser Leu Phe Asn Lys His Gln Asn			
	50	55	60
Asn Val Ser Val Phe Ile Leu			
65	70		

<210> 499
 <211> 167
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (82)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (88)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (96)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (106)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (111)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 499
 Gly Arg Cys Leu Asp Cys Phe Asn Pro Phe Leu Leu Ser Cys Pro Arg
 1 5 10 15

Ile Gly Leu Val Glu Gln Gly Gly Val Lys Ile Glu Pro Leu Pro Lys
 20 25 30

Glu Val Lys Val Tyr Leu Leu Thr Thr Ser Ser Ala Pro Tyr Cys Met
 35 40 45

His His Ser Leu Val Glu Phe His Leu Lys Glu Leu Arg Asn Lys Asp

50					55					60					
Thr	Asn	Ile	Glu	Val	Thr	Phe	Leu	Ser	Ser	Asn	Ile	Thr	Ser	Ser	Ser
65					70					75					80
Lys	Xaa	Thr	Ile	Pro	Lys	Gln	Xaa	Arg	Tyr	Gly	Glu	Arg	Asn	His	Xaa
				85					90					95	
Pro	Met	Pro	Thr	Pro	Gln	Cys	Gln	Ile	Xaa	Gln	Val	Lys	Phe	Xaa	Phe
			100					105					110		
Gln	Ser	Ser	Asn	Arg	Val	Trp	Lys	Lys	Asp	Arg	Thr	Thr	Ile	Ile	Gly
			115				120					125			
Lys	Phe	Cys	Thr	Ala	Leu	Leu	Pro	Val	Asn	Asp	Arg	Glu	Lys	Met	Val
	130					135					140				
Cys	Leu	Pro	Glu	Pro	Val	Asn	Leu	Gln	Ala	Ser	Val	Thr	Val	Ser	Cys
145						150					155				160
Asp	Leu	Lys	Ile	Ala	Cys	Val									
				165											

<210> 500
 <211> 1
 <212> PRT
 <213> Homo sapiens

<400> 500
 Met
 1

<210> 501
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 501
 Thr Thr Glu Ile Cys Gly Thr Leu Ile Leu Arg Glu Met Ile
 1 5 10

<210> 502
 <211> 67
 <212> PRT
 <213> Homo sapiens

<400> 502
 Met Ser Leu Phe Leu Thr Leu Ala Leu Cys Ser Val Leu Leu Val His
 1 5 10 15

Leu Asn Val Leu Ala Arg Asn Cys Phe Tyr Asp Ser Gly Phe Val Val

20 25 30
 His Pro Trp Ile Trp Leu Gly His Ser Leu Pro Tyr Phe Tyr Phe Ser
 35 40 45
 Pro Leu Ser Gln Arg Leu Phe Ser Tyr Leu Trp Thr Phe Ile Phe Pro
 50 55 60
 Cys Arg Leu
 65

<210> 503
 <211> 67
 <212> PRT
 <213> Homo sapiens

<400> 503
 Met Ser Leu Phe Leu Thr Leu Ala Leu Cys Ser Val Leu Leu Val His
 1 5 10 15
 Leu Asn Val Leu Ala Arg Asn Cys Phe Tyr Asp Ser Gly Phe Val Val
 20 25 30
 His Pro Trp Ile Trp Leu Gly His Ser Leu Pro Tyr Phe Tyr Phe Ser
 35 40 45
 Pro Leu Ser Gln Arg Leu Phe Ser Tyr Leu Trp Thr Phe Ile Phe Pro
 50 55 60
 Cys Arg Leu
 65

<210> 504
 <211> 5
 <212> PRT
 <213> Homo sapiens

<400> 504
 Leu Tyr Leu Phe Met
 1 5

<210> 505
 <211> 65
 <212> PRT
 <213> Homo sapiens

<400> 505
 Ile Ile Tyr Leu Leu Phe Val Thr Lys Trp Glu Ile Arg Lys Lys Val
 1 5 10 15
 Arg Lys Tyr Leu Arg Gly Lys Ser Phe Leu Leu Ser His Val Phe Ser

Leu Phe Leu Pro Phe Ser Met Val Leu Phe Cys Asp Pro Leu Asn Ser
1 5 10 15

Lys Gly Ser Leu Ile Cys Gly Cys Phe Arg Ala Val Leu Pro Arg
20 25 30

<210> 508
<211> 151
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (130)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 508
Met Val Val Ala Ala Val Tyr Ile Leu Tyr Leu Leu Phe Leu Ile Val
1 5 10 15

Arg Ala Cys Ser Glu Leu Arg His Met Pro Tyr Val Asp Leu Arg Leu
20 25 30

Lys Phe Leu Thr Ala Leu Thr Phe Val Val Leu Val Ile Ser Ile Ala
35 40 45

Ile Leu Tyr Leu Arg Phe Gly Ala Gln Val Leu Gln Asp Asn Phe Val
50 55 60

Ala Glu Leu Ser Thr His Tyr Gln Asn Ser Ala Glu Phe Leu Ser Phe
65 70 75 80

Tyr Gly Leu Leu Asn Phe Tyr Leu Tyr Thr Leu Ala Phe Val Tyr Ser
85 90 95

Pro Ser Lys Asn Ala Leu Tyr Glu Ser Gln Leu Lys Asp Asn Pro Ala
100 105 110

Phe Ser Met Leu Asn Asp Ser Asp Asp Asp Val Ile Tyr Gly Ser Asp
115 120 125

Tyr Xaa Glu Met Pro Leu Gln Asn Gly Gln Ala Ile Arg Ala Lys Tyr
130 135 140

Lys Glu Glu Ser Asp Ser Asp
145 150

<210> 509
<211> 51
<212> PRT
<213> Homo sapiens

<400> 509

Met Arg Cys Gly Glu Ile Ile Leu Ala Ser Val Leu Gly Leu Leu Leu
 1 5 10 15

Thr Leu Pro Pro Thr Ser Cys His Leu Asn Lys Ser Phe Pro Phe Leu
 20 25 30

Cys Leu Pro Trp Ser Gln Ala Leu Ser Leu Asn Pro His Ser Gly Asn
 35 40 45

Glu Ala Gly
 50

<210> 510
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 510
 Met Arg Cys Gly Glu Ile Ile Leu Ala Ser Val Leu Gly Leu Leu Leu
 1 5 10 15

Thr Leu Pro Pro Thr Ser Cys His Leu Asn Lys Ser Phe Pro Phe Leu
 20 25 30

Cys Leu Pro Trp Ser Gln Ala Leu Ser Leu Asn Pro His Ser Gly Asn
 35 40 45

Glu Ala Gly
 50

<210> 511
 <211> 101
 <212> PRT
 <213> Homo sapiens

<400> 511
 Leu Arg Asp Pro Glu Asn Cys Val Glu Cys Gly Asp Gly Glu Cys Ala
 1 5 10 15

Cys Gly Cys Thr His Ile Gly Tyr Leu Cys Val Cys Thr Val Tyr Met
 20 25 30

Gln Gly Cys Val Tyr Val Cys Met Cys Ile Arg Val Trp Val Trp Val
 35 40 45

Trp Gly Val Phe Arg Glu Cys Ala Tyr Thr His Gly Cys Leu Gly Met
 50 55 60

Cys Thr Cys Leu Cys Val Arg Gly Val Cys Val Cys Val Cys Met Val
 65 70 75 80

Cys Val His Met Tyr Ala Leu Val Cys Val His Thr Trp Gly Val Cys
 85 90 95

Ala Tyr Val Glu Val
100

<210> 512
<211> 90
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 512
Met Tyr Arg Gly Xaa Arg Val Lys His Pro Phe Val Phe Arg Lys Leu
1 5 10 15
Gln Val Thr Gln Asp Asp Trp Ile Val Arg Tyr Arg Gly Leu Lys Gly
20 25 30
Asn Ala Glu Val Val His Arg Glu Gln Val Asn Leu Pro Arg Thr Met
35 40 45
Gly Leu Arg His Ala Leu Leu Thr Arg Arg Ala Thr Arg Ser Met Gly
50 55 60
Ala Ile Cys Val Ala Gly Cys Gly Ile Pro Ala Gln Val Ser Leu Ser
65 70 75 80
Lys Arg Gly Ile Leu Leu Val Pro Lys Thr
85 90

<210> 513
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 513
Leu Gly Ser Ala Arg His Arg Pro His Ala Leu Val Leu Gly Met Ser
1 5 10 15
Ser Pro Phe Leu Lys Lys Thr Cys Ser Ala Val Thr Thr Thr Lys Lys
20 25 30
His Gly Glu Asp Trp Ala Xaa Asp Met Met Phe Ser Ser
35 40 45

<210> 514
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 514
Leu Thr Ser Phe Gly Leu Arg Ala Ile Leu Ile Phe Gln Met Xaa Ser
1 5 10 15
Asp Val Asn Xaa Ile Gly Lys His Gln Arg Asn Gly Cys Lys Val Ser
20 25 30
Gly Thr Glu
35

<210> 515
<211> 50
<212> PRT
<213> Homo sapiens

<400> 515
Met Gly Gln Ala Ser Ala Leu Ala Ser Leu Leu Leu Arg Ala Leu Ala
1 5 10 15
Leu Val Leu Gly Ala Arg Ile Gly Lys Gly Gly Gln Arg Gly Met Ile
20 25 30
Ile Ile Ser Ile Ala Ala Leu Pro Ser Thr Gly Cys Gln Glu Leu Tyr
35 40 45
Ile His
50

<210> 516
<211> 75
<212> PRT
<213> Homo sapiens

<400> 516
Ser Pro Ile Ile Phe Pro Leu Asn His Tyr Thr Arg Ile Ser His Leu
1 5 10 15

Cys Pro Pro Asp Ile Leu Gly Trp Ile Ile Leu Gly Leu Gly Gly Cys
 20 25 30
 Pro Val Arg Cys Arg Thr Phe Ser Ser Ile Leu Gly Leu Phe Leu Leu
 35 40 45
 Asp Ala Ser Ser Thr Pro Phe Leu Ser Tyr Asp Arg Leu Lys Cys Pro
 50 55 60
 Pro Gly Lys Arg Trp Trp Gln Asn Tyr Pro Trp
 65 70 75

<210> 517
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 517
 Met Asn Glu Ser Phe Tyr Cys Ser Ala Phe Leu Pro Ala Phe Ile Val
 1 5 10 15
 Cys Trp Ile Leu Ala Ile Leu Ile Val Leu Thr Cys Gly Phe Arg Met
 20 25 30
 Thr Asp Tyr Ile Glu His Leu His Glu Ile Leu Cys His Leu Tyr Ile
 35 40 45
 Phe Phe Gly Lys Ala Ser Ile Ser Gly Leu Ser Thr
 50 55 60

<210> 518
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 518
 Met Asn Glu Ser Phe Tyr Cys Ser Ala Phe Leu Pro Ala Phe Ile Val
 1 5 10 15
 Cys Trp Ile Leu Ala Ile Leu Ile Val Leu Thr Cys Gly Phe Arg Met
 20 25 30
 Thr Asp Tyr Ile Glu His Leu His Glu Ile Leu Cys His Leu Tyr Ile
 35 40 45
 Phe Phe Gly Lys Ala Ser Ile Ser Gly Leu Ser Thr
 50 55 60

<210> 519
 <211> 33

<212> PRT

<213> Homo sapiens

<400> 519

Met Ala Ala Ala Trp Phe Ile Leu Leu Phe Lys His Cys Val His Ser
1 5 10 15

Ser Ser Ile Val Asp Leu Ser Phe Lys Glu Ser Ser Pro Trp Asp Ile
20 25 30

Lys

<210> 520

<211> 12

<212> PRT

<213> Homo sapiens

<400> 520

Ala Trp Tyr Val Ile Ile Thr Leu Val Phe Asp Gly
1 5 10

<210> 521

<211> 15

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 521

Ala Trp Tyr Val Val Met Ala Leu Thr Xaa Met Xaa Trp Asp Phe
1 5 10 15

<210> 522

<211> 17

<212> PRT

<213> Homo sapiens

<400> 522

Leu Leu Leu Asn Phe Cys Ala Val Thr Ala Phe Phe Thr Pro Ile Leu
1 5 10 15

Gln

<210> 523
<211> 33
<212> PRT
<213> Homo sapiens

<400> 523
Met Ala Ala Ala Trp Phe Ile Leu Leu Phe Lys His Cys Val His Ser
1 5 10 15
Ser Ser Ile Val Asp Leu Ser Phe Lys Glu Ser Ser Pro Trp Asp Ile
20 25 30

Lys

<210> 524
<211> 85
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 524
Leu Trp Arg Tyr Leu Gly Phe Cys Ile Leu Cys His Ile Trp Gln Lys
1 5 10 15
Thr Phe Tyr Leu Cys Cys His Glu Lys Gly Cys Thr Met Thr Gln Xaa
20 25 30
Pro Pro Gln Ala Ser Gly Pro Ala Glu Ala Lys Ser Glu His Arg Glu
35 40 45
Lys Arg Arg Lys Arg Glu Asp Arg Trp Gly Lys Gln Glu Arg Arg Asp
50 55 60
Arg Asp Val His Ile Leu Gly Cys Gln Val Trp His Ser Cys Ser Ala
65 70 75 80
Arg Val Ala Leu Ser
85

<210> 525
<211> 91
<212> PRT
<213> Homo sapiens

<220>

<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 525

Met Arg Ala Cys Val Cys Val Tyr Ala Cys Ala His Met Cys Val Cys
1 5 10 15

Leu Ala Phe Ser Tyr Leu Ile Gly Cys Ile Lys Cys Arg Pro Lys Asp
20 25 30

Glu Gly Glu Asp Tyr Thr Gln Ser Leu Ala Val Thr Ala Ser Val Gln
35 40 45

Lys Ser Cys Val Trp Ala Gln Asn Tyr Ser Leu His Ser Cys Asn Thr
50 55 60

Tyr Ala Ser Arg Xaa Gln Arg Ala Leu Ser Pro Gly Leu His Asn Arg
65 70 75 80

Arg Glu Lys Gln Leu Cys Gly Glu Leu Val Thr
85 90

<210> 526

<211> 96

<212> PRT

<213> Homo sapiens

<400> 526

Met Arg Ala Cys Val Cys Val Tyr Ala Cys Ala His Met Cys Val Cys
1 5 10 15

Leu Ala Phe Ser Tyr Leu Ile Gly Cys Ile Lys Cys Arg Pro Lys Asp
20 25 30

Glu Gly Glu Asp Leu His Pro Lys Pro Gly Cys Asp Ser Phe Cys Pro
35 40 45

Glu Lys Leu Cys Leu Gly Ser Glu Leu Leu Thr Thr Phe Met Gln Tyr
50 55 60

Ile Cys Lys Gln Gly Ala Glu Ser Phe Ile Thr Gly Ala Thr Gln Gln
65 70 75 80

Lys Gly Lys Thr Val Met Trp Arg Ala Gly Asp Leu Thr Arg Glu Ala
85 90 95

<210> 527

<211> 48

<212> PRT

<213> Homo sapiens

<400> 527

Met Met Leu Tyr Gln Asn Met Leu Leu Tyr Phe Arg Ile Ile Gly Val
1 5 10 15

Leu Ala Leu Asn Phe Ser Ile Ser Pro Ile Phe Phe His Gly Ser Leu
20 25 30

Gly Lys Leu Tyr Val Tyr Ser Ala Ala Lys Tyr Ser Leu Glu Leu Lys
35 40 45

<210> 528

<211> 4

<212> PRT

<213> Homo sapiens

<400> 528

Met Phe Lys Met
1

<210> 529

<211> 10

<212> PRT

<213> Homo sapiens

<400> 529

Ile Tyr Gln His Phe Ser Leu Trp Leu Gly
1 5 10

<210> 530

<211> 48

<212> PRT

<213> Homo sapiens

<400> 530

Met Met Leu Tyr Gln Asn Met Leu Leu Tyr Phe Arg Ile Ile Gly Val
1 5 10 15

Leu Ala Leu Asn Phe Ser Ile Ser Pro Ile Phe Phe His Gly Ser Leu
20 25 30

Gly Lys Leu Tyr Val Tyr Ser Ala Ala Lys Tyr Ser Leu Glu Leu Lys
35 40 45

<210> 531
<211> 22
<212> PRT
<213> Homo sapiens

<400> 531
His Ser Asp Leu Gly Leu Ser Cys Pro Glu Leu Leu Leu Pro Cys Ile
1 5 10 15
Ile Leu Ile Thr Phe Ser
20

<210> 532
<211> 96
<212> PRT
<213> Homo sapiens

<400> 532
Met His His His Ala His Leu Ser Cys Tyr Asp Phe Leu Met Leu Leu
1 5 10 15
Phe Leu Leu Leu His Pro Leu Leu Pro Pro Pro Pro Thr Ala Ser Leu
20 25 30
Pro Pro Ser Pro Leu Ile Cys Leu Phe Leu His Thr Val Pro Trp Asn
35 40 45
Leu Ser Leu Ala Ser Ser His Ser Thr His Ser Leu Arg Ala Leu Pro
50 55 60
Phe Thr Ser Ala Ile Val Tyr Thr Phe Thr Leu Asp His Ser Ser Glu
65 70 75 80
Ile Ser Gln Leu Leu His Pro Asp Gly Cys Ser Ala Pro Pro Pro Gly
85 90 95

<210> 533
<211> 111
<212> PRT
<213> Homo sapiens

<400> 533
Met His His His Ala His Leu Ser Cys Tyr Asp Phe Leu Met Leu Leu
1 5 10 15
Phe Leu Leu Leu His Pro Leu Leu Pro Pro Pro Pro Thr Ala Ser Leu
20 25 30

Pro Pro Ser Pro Leu Ile Cys Leu Phe Leu His Thr Val Pro Trp Asn
 35 40 45
 Leu Ser Leu Ala Ser Ser His Ser Thr His Ser Leu Arg Ala Leu Pro
 50 55 60
 Phe Thr Ser Ala Ile Val Tyr Thr Phe Thr Leu Asp His Ser Ser Glu
 65 70 75 80
 Ile Ser Gln Leu Leu His Pro Asp Gly Cys Ser Ala Pro Pro Pro Gly
 85 90 95
 Cys Pro Thr Gly Thr Leu Asn Pro Thr Ser Pro Lys Leu Asn Ser
 100 105 110

<210> 534
 <211> 70
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (60)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 534
 Gly Arg Lys Arg Asp Gly Gly Trp Arg Lys Gly Gln Lys Ala Gln Val
 1 5 10 15
 Glu Val Pro Xaa Leu Leu Ala Arg Arg Ile Leu Trp Pro Leu Gly Gly
 20 25 30
 Trp Ser Gly Cys Val Asn Gln Ser Leu Ser Gln Trp Arg Ala Gly Leu
 35 40 45
 Val Val Cys Val Phe Ile Thr Gly Pro His Pro Xaa His Thr His Thr
 50 55 60
 Arg Thr His Cys Gly Val
 65 70

<210> 535
 <211> 70
 <212> PRT
 <213> Homo sapiens

<400> 535

Ala	Leu	Ser	Ile	Asn	Lys	Lys	Gln	Pro	Asn	Ala	Trp	Gly	Glu	Thr	Val
1				5					10					15	
Thr	Lys	Gly	Pro	Ala	Phe	Arg	Asn	Trp	Asp	Val	Lys	Gly	Val	Glu	Asn
			20					25					30		
Gly	Trp	Gly	Val	Lys	Gly	Glu	His	Val	Lys	Met	Gln	Glu	Ser	Ser	Phe
		35					40					45			
Gly	Asp	Ile	Ala	Pro	Gly	Gly	Met	Trp	Val	Ser	Met	Asn	Tyr	Met	Lys
	50					55					60				
Gly	Cys	Pro	Ser	Cys	Ser										
65					70										

<210> 536
 <211> 55
 <212> PRT
 <213> Homo sapiens

Met	Val	Ala	Val	Cys	Trp	Cys	Leu	Ala	Leu	Thr	Ala	Lys	Val	Ser	Ala
1				5					10					15	
Ser	Cys	Ser	Tyr	Met	Lys	Leu	Arg	Pro	Trp	Pro	Ala	Asp	Pro	Trp	Gln
			20					25					30		
Cys	Trp	Ala	Trp	Thr	Trp	Leu	Pro	Gln	Pro	Cys	Cys	Pro	Ala	Thr	Thr
		35					40					45			
Gln	Thr	Leu	Ala	Trp	Cys	Ser									
	50					55									

<210> 537
 <211> 40
 <212> PRT
 <213> Homo sapiens

Met	Lys	Cys	Ser	Lys	Val	Leu	Thr	Gln	Leu	Ile	Leu	Phe	Thr	Pro	Leu
1				5					10					15	
Gly	Val	Cys	Lys	Met	Ser	Leu	Phe	Tyr	Lys	His	Asn	His	Asn	Ser	Asn
			20					25					30		
Lys	Pro	Gln	Val	Val	Ala	Ser	Val								
		35					40								

<210> 538
 <211> 40
 <212> PRT

<213> Homo sapiens

<400> 538

Met Lys Cys Ser Lys Val Leu Thr Gln Leu Ile Leu Phe Thr Pro Leu
1 5 10 15

Gly Val Cys Lys Met Ser Leu Phe Tyr Lys His Asn His Asn Ser Asn
20 25 30

Lys Pro Gln Val Val Ala Ser Val
35 40

<210> 539

<211> 195

<212> PRT

<213> Homo sapiens

<400> 539

Arg Gln Ala Val Ile Val Cys Arg Arg Arg Phe Val Met Gly Pro Val
1 5 10 15

Arg Leu Gly Ile Leu Leu Phe Leu Phe Leu Ala Val His Glu Ala Trp
20 25 30

Ala Gly Met Leu Lys Glu Glu Asp Asp Asp Thr Glu Arg Leu Pro Ser
35 40 45

Lys Cys Glu Val Cys Lys Leu Leu Ser Thr Glu Leu Gln Ala Glu Leu
50 55 60

Ser Arg Thr Gly Arg Ser Arg Glu Val Leu Glu Leu Gly Gln Val Leu
65 70 75 80

Asp Thr Gly Lys Arg Lys Arg His Val Pro Tyr Ser Val Ser Glu Thr
85 90 95

Arg Leu Glu Glu Ala Leu Glu Asn Leu Cys Glu Arg Ile Leu Asp Tyr
100 105 110

Ser Val His Ala Glu Arg Lys Gly Ser Leu Arg Tyr Ala Lys Gly Gln
115 120 125

Ser Gln Thr Met Ala Thr Leu Lys Gly Leu Val Gln Lys Gly Val Lys
130 135 140

Val Asp Leu Gly Ile Pro Leu Glu Leu Trp Asp Glu Pro Ser Val Glu
145 150 155 160

Val Thr Tyr Leu Lys Lys Gln Cys Glu Thr Met Leu Glu Arg Gly Gly
165 170 175

Arg Gly Gly Arg Gly Arg Gly Arg Gln Asp Asp Gln Asp Arg Lys Pro
180 185 190

Pro Gln Thr

<210> 540
 <211> 68
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 540
 Trp Pro Thr Val Ala Ser Pro Arg Thr Ala Ser Arg Pro Xaa Gly Pro
 1 5 10 15
 Cys Gln Asn Cys Ala Cys Trp Thr Thr Ser Gly Ala Gly Cys Arg Pro
 20 25 30
 Gly Gln Thr Ser Met Pro Pro Trp Thr Thr Gly Pro Arg Cys Cys Thr
 35 40 45
 Ser Gln Pro Pro Thr Gly Ser Ala Arg Arg Leu Pro Cys Cys Trp Asn
 50 55 60
 Thr Glu Pro Ala
 65

<210> 541
 <211> 201
 <212> PRT
 <213> Homo sapiens

<400> 541
 Arg Gln Ala Val Ile Val Cys Arg Arg Arg Phe Val Met Gly Pro Val
 1 5 10 15
 Arg Leu Gly Ile Leu Leu Phe Leu Phe Leu Ala Val His Glu Ala Trp
 20 25 30
 Ala Gly Met Leu Lys Glu Glu Asp Asp Asp Thr Glu Arg Leu Pro Ser
 35 40 45
 Lys Cys Glu Val Cys Lys Leu Leu Ser Thr Glu Leu Gln Ala Glu Leu
 50 55 60
 Ser Arg Thr Gly Arg Ser Arg Glu Val Leu Glu Leu Gly Gln Val Leu
 65 70 75 80
 Asp Thr Gly Lys Arg Lys Arg His Val Pro Tyr Ser Val Ser Glu Thr
 85 90 95
 Arg Leu Glu Glu Ala Leu Glu Asn Leu Cys Glu Arg Ile Leu Asp Tyr

100	105	110
Ser Val His Ala Glu Arg Lys Gly Ser Leu Arg Tyr Ala Lys Gly Gln		
115	120	125
Ser Gln Thr Met Ala Thr Leu Lys Gly Leu Val Gln Lys Gly Val Lys		
130	135	140
Val Asp Leu Gly Ile Pro Leu Glu Leu Trp Asp Glu Pro Ser Val Glu		
145	150	155
Val Thr Tyr Leu Lys Lys Gln Cys Glu Thr Met Leu Glu Glu Glu Glu		
165	170	175
Glu Glu Glu Glu Glu Glu Gly Gly Asp Lys Met Thr Lys Thr Gly Ser		
180	185	190
His Pro Lys Leu Asp Arg Glu Asp Leu		
195	200	

<210> 542
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 542
Met Pro Pro Arg Ala Ala Trp Ala Trp Leu Leu Cys Gly Ala Ser
1 5 10 15

<210> 543
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 543
Met Pro Pro Arg Ala Ala Trp Ala Trp Leu Leu Cys Gly Ala Ser
1 5 10 15

<210> 544
 <211> 116
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 544

Ser Gln Leu Leu Arg Arg Xaa Arg Gln Glu Asp Cys Leu Ser Pro Xaa
1 5 10 15

Gly Gly Ser Cys Ser Glu Pro Arg Leu Arg His Cys Thr Pro Ala Trp
20 25 30

Val Thr Glu Arg Asp Ser Val Ser Lys Lys Lys Lys Thr Ser Glu
35 40 45

Val Gly Ala Val Pro Tyr Phe Cys Pro Thr Pro Ile Lys Arg Ile Pro
50 55 60

Lys Thr Thr Cys Gly Asn Leu Ile Ile Leu Ser Asn Leu Leu Phe Gly
65 70 75 80

Gln Asp Trp His Leu Pro Cys Phe Ser Leu Leu Leu Ala Val Lys His
85 90 95

Gly Phe Lys Glu Glu Cys Phe Ser Glu Phe Thr Leu Tyr Ile Ser Asp
100 105 110

Leu Glu Val Ile
115

<210> 545

<211> 51

<212> PRT

<213> Homo sapiens

<400> 545

Met Ile Leu Ile Met Ser Met Asp Ser Val Lys Leu Val Leu Gly Trp
1 5 10 15

Pro Leu Trp Val Leu Cys Phe Trp Gln Ala Ala Trp Cys Phe Lys Lys
20 25 30

Ala Phe Glu Trp Gln Gln Thr Leu Pro Leu Tyr Ser Thr Glu Met Val
35 40 45

Asn Lys Pro
50

<210> 546

<211> 51

<212> PRT

<213> Homo sapiens

<400> 546

Met Ile Leu Ile Met Ser Met Asp Ser Val Lys Leu Val Leu Gly Trp
1 5 10 15

Pro Leu Trp Val Leu Cys Phe Trp Gln Ala Ala Trp Cys Phe Lys Lys
20 25 30

Ala Phe Glu Trp Gln Gln Thr Leu Pro Leu Tyr Ser Thr Glu Met Val
35 40 45

Asn Lys Pro
50

<210> 547
<211> 69
<212> PRT
<213> Homo sapiens

<400> 547
Met Ala Ala Ala Arg Asn Leu Arg Thr Ala Leu Ile Phe Gly Gly Phe
1 5 10 15

Ile Ser Met Val Gly Ala Ala Phe Tyr Pro Ile Tyr Phe Arg Pro Leu
20 25 30

Met Arg Leu Glu Glu Tyr Gln Lys Glu Gln Ala Val Asn Arg Ala Gly
35 40 45

Ile Val Gln Glu Asp Val Gln Pro Pro Gly Leu Lys Val Trp Ser Asp
50 55 60

Pro Phe Gly Arg Lys
65

<210> 548
<211> 69
<212> PRT
<213> Homo sapiens

<400> 548
Met Ala Ala Ala Arg Asn Leu Arg Thr Ala Leu Ile Phe Gly Gly Phe
1 5 10 15

Ile Ser Met Val Gly Ala Ala Phe Tyr Pro Ile Tyr Phe Arg Pro Leu
20 25 30

Met Arg Leu Glu Glu Tyr Gln Lys Glu Gln Ala Val Asn Arg Ala Gly
35 40 45

Ile Val Gln Glu Asp Val Gln Pro Pro Gly Leu Lys Val Trp Ser Asp
50 55 60

Pro Phe Gly Arg Lys
65

<210> 549
<211> 79
<212> PRT
<213> Homo sapiens

<400> 549
Ser Gly Trp Gln Val Pro Ser Ser Val Lys His Leu Pro Tyr Asp Asn
1 5 10 15
Leu Arg Ser His Cys Val Ala Asp Glu Gly Glu Thr Glu Val Glu Gly
20 25 30
Thr Arg Ala Thr Trp Val Glu His Ser Gly Arg Pro Gly Val Gly Ser
35 40 45
Gly Arg Pro Pro Gly Thr Ser Leu Thr Thr Leu Pro Leu Leu Leu Thr
50 55 60
His Leu Ser Leu Thr Cys Pro Leu Gly Gly Asp Phe Ser Lys Arg
65 70 75

<210> 550
<211> 89
<212> PRT
<213> Homo sapiens

<400> 550
Met Pro Val Pro Leu Leu Ala Ser Ala Ala Trp Cys His Leu Cys Ala
1 5 10 15
Gly Ala Leu Pro Ala Trp Leu Trp Leu Pro Trp Arg Ala Ala Ala Ala
20 25 30
Gln Trp His Val Cys Ala Ser His Cys Leu Pro Leu His Pro Ala Phe
35 40 45
Ser Ala Leu Gly Pro His Pro Asp Pro Gly Arg Ala Gly Pro Gly Ala
50 55 60
Ala Pro Arg Asp Cys Ala His Pro Glu Leu His Pro Leu Cys Leu Pro
65 70 75 80
Arg Trp Ser Leu Gln Leu Leu Pro Arg
85

<210> 551
<211> 21
<212> PRT
<213> Homo sapiens

<400> 551
Pro Trp Ala Ser Ser His Leu Gly Pro Arg Pro Tyr Val His Gly Leu

1	5	10	15
Ala Pro Ser Gly Pro			
20			

<210> 552
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 552
 Pro Trp Pro Pro Leu Val
 1 5

<210> 553
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 553
 Pro Trp Pro Pro Leu Val
 1 5

<210> 554
 <211> 52
 <212> PRT
 <213> Homo sapiens

<400> 554
 Asp Ile Leu Asn Leu Tyr Cys Thr Phe Tyr Leu Arg Gly Ser Ser Phe
 1 5 10 15
 Thr Cys Val Phe Ile Cys Val Tyr Leu Ser Tyr Ser Lys Arg Ser Arg
 20 25 30
 Glu Ser Pro Cys Pro Arg Ser Ser Ile Leu Arg Ser Glu Asp Val Gln
 35 40 45
 Asn Ser Ser Arg
 50

<210> 555
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 555
 Met Gly Gly Asn Val Leu Ile Phe His Phe Arg Cys Leu Trp Lys Cys
 1 5 10 15

Trp Gly Arg Val Arg Gly Leu Phe Leu Ser Gly Gly Pro Leu Thr Gln
20 25 30

Ser Ile Phe Asn Ser Leu Phe
35

<210> 556
<211> 12
<212> PRT
<213> Homo sapiens

<400> 556
Gly Gly Asn Val Leu Ile Phe His Phe Arg Cys Leu
1 5 10

<210> 557
<211> 70
<212> PRT
<213> Homo sapiens

<400> 557
Met Ser His Cys Thr Trp Pro Leu Asp Tyr Ser Phe Leu Phe Met Ser
1 5 10 15

Cys Ala Ser Ile Cys Gly Gln His Gly Ala Ser Val Gly Asn Thr Gly
20 25 30

Arg Lys Gln Val Gln Ile Trp Leu Gly Leu Leu Ala Trp Gln Leu Gly
35 40 45

Lys Pro Pro Leu Leu Trp Leu Leu Pro Arg Leu Phe Met Thr Val Ala
50 55 60

Ala His Gln Leu Gln Leu
65 70

<210> 558
<211> 70
<212> PRT
<213> Homo sapiens

<400> 558
Met Ser His Cys Thr Trp Pro Leu Asp Tyr Ser Phe Leu Phe Met Ser
1 5 10 15

Cys Ala Ser Ile Cys Gly Gln His Gly Ala Ser Val Gly Asn Thr Gly
20 25 30

Arg Lys Gln Val Gln Ile Trp Leu Gly Leu Leu Ala Trp Gln Leu Gly
35 40 45

Lys Pro Pro Leu Leu Trp Leu Leu Pro Arg Leu Phe Met Thr Val Ala
50 55 60

Ala His Gln Leu Gln Leu
65 70

<210> 559
<211> 62
<212> PRT
<213> Homo sapiens

<400> 559
Val Tyr Gln Arg Lys Ser Thr Val Val Leu Gly Gly Phe Leu Leu Trp
1 5 10 15

Asp Ile Asp Phe Leu Phe Phe Phe Arg Asn Ile Val Cys Cys Asn Leu
20 25 30

Asn Lys Asn Tyr Asp Ile Leu Arg Tyr Phe Ile Asp Lys Pro Asn Lys
35 40 45

Asn Ile Cys Phe Tyr Phe Lys Val Asn Val Phe Leu Phe Ser
50 55 60

<210> 560
<211> 47
<212> PRT
<213> Homo sapiens

<400> 560
Met Leu Arg Phe Ser Ser Ser Leu Leu Glu Cys Leu Leu Ser Pro Leu
1 5 10 15

Cys Leu Thr Asp Ala Thr Gly His His Leu Asp His Pro Ile Leu Val
20 25 30

Pro Val Gln Val Gln Lys Arg Asn Asn Val Leu Lys Phe Thr Ser
35 40 45

<210> 561
<211> 49
<212> PRT
<213> Homo sapiens

<400> 561
Met Leu Ile Thr Ile Ser Leu Glu Leu Leu Arg Leu Val Gly Ala
1 5 10 15

Ala Leu Gln Glu Lys Gln Gln Pro Leu Ser Leu Pro Ser Cys Gly Glu
20 25 30

Gln Gly Gly Asp Glu Arg Tyr Leu Gly Arg Pro Gly Lys Ser Leu Lys
35 40 45

Asn

<210> 562
<211> 49
<212> PRT
<213> Homo sapiens

<400> 562
Met Leu Ile Thr Ile Ser Leu Glu Leu Leu Leu Arg Leu Val Gly Ala
1 5 10 15

Ala Leu Gln Glu Lys Gln Gln Pro Leu Ser Leu Pro Ser Cys Gly Glu
20 25 30

Gln Gly Gly Asp Glu Arg Tyr Leu Gly Arg Pro Gly Lys Ser Leu Lys
35 40 45

Asn

<210> 563
<211> 47
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 563
Met Leu Ile Phe Ser Phe Leu Ser Phe Trp Phe Phe Gln Ser Cys Gln
1 5 10 15

Gly Phe Ile Tyr Phe Met Ser Ile Xaa Glu Glu Pro Val Ala Asp Phe
20 25 30

Val His Leu Tyr Cys Val Phe Tyr Phe Gln Gly Cys Ser Tyr Leu
35 40 45

<210> 564
<211> 128
<212> PRT
<213> Homo sapiens

<400> 564

Phe Ser Asn Thr Trp Ser Phe Pro Lys Asp Ala Phe Tyr Thr Asp Phe
1 5 10 15
Tyr Leu Lys Ser Ile Val Val Arg Glu Tyr Cys Val Phe Cys Ser Asn
20 25 30
Pro Leu Lys Tyr Ile Glu Thr Cys Leu Ile Cys Lys Tyr Arg Phe Ser
35 40 45
Tyr Phe Ser Ile Cys Asp Trp Lys Asn Ile Asn Leu Thr Ile Trp Gly
50 55 60
Tyr Ser Ile His Thr Ile His Thr Asn Ile Tyr Val Phe Ser Val Leu
65 70 75 80
Gln Asn Phe Tyr Ile Phe Pro Gly Ile Cys Leu Leu Ala Ser Leu Ile
85 90 95
Thr Glu Arg Cys Thr Ile Leu Ser Cys Thr Phe Phe Cys Cys Ser Leu
100 105 110
Ile Phe Leu Ser Tyr Pro Tyr Gly Asn Cys Ile Lys Cys Ile Pro Ile
115 120 125

<210> 565
<211> 47
<212> PRT
<213> Homo sapiens

<400> 565
Met Leu Ile Phe Ser Phe Leu Ser Phe Trp Phe Phe Gln Ser Cys Gln
1 5 10 15
Gly Phe Ile Tyr Phe Met Ser Ile Phe Glu Glu Pro Val Ala Asp Phe
20 25 30
Val His Leu Tyr Cys Val Phe Tyr Phe Gln Gly Cys Ser Tyr Leu
35 40 45

<210> 566
<211> 34
<212> PRT
<213> Homo sapiens

<400> 566
Pro Cys Ser Trp Leu Arg Ala Val Thr Leu Cys Gln Asn Leu His Trp
1 5 10 15
Ala Cys Thr Ser Cys His Cys Asn Cys Pro Cys Gln Cys Pro Gln Leu
20 25 30

Leu Phe

<210> 567
<211> 193
<212> PRT
<213> Homo sapiens

<400> 567
Met Cys Leu Leu Phe Leu Leu Pro Arg Phe Pro Val Ser Trp Arg Ala
1 5 10 15
Gly Val Asp Gly Ala Ala Pro Ser Ser Gln Asp Leu Trp Arg Ile Arg
20 25 30
Ser Pro Cys Gly Asp Cys Glu Gly Phe Asp Val His Ile Met Asp Asp
35 40 45
Met Ile Lys Arg Ala Leu Asp Phe Arg Glu Ser Arg Glu Ala Glu Pro
50 55 60
His Pro Leu Trp Glu Tyr Pro Cys Arg Ser Leu Ser Glu Pro Trp Gln
65 70 75 80
Ile Leu Thr Phe Asp Phe Gln Gln Pro Val Pro Leu Gln Pro Leu Cys
85 90 95
Ala Glu Gly Thr Val Glu Leu Arg Arg Pro Gly Gln Ser His Ala Ala
100 105 110
Val Leu Trp Met Glu Tyr His Leu Thr Pro Glu Cys Thr Leu Ser Thr
115 120 125
Gly Leu Leu Glu Pro Ala Asp Pro Glu Gly Gly Cys Cys Trp Asn Pro
130 135 140
His Cys Lys Gln Ala Val Tyr Phe Phe Ser Pro Ala Pro Asp Pro Arg
145 150 155 160
Ala Leu Leu Gly Gly Pro Arg Thr Val Ser Tyr Ala Val Glu Phe His
165 170 175
Pro Asp Thr Gly Asp Ile Ile Met Glu Phe Arg His Ala Asp Thr Pro
180 185 190

Asp

<210> 568
<211> 138
<212> PRT
<213> Homo sapiens

<400> 568

Met Cys Leu Leu Phe Leu Leu Pro Arg Phe Pro Val Ser Trp Arg Ala
1 5 10 15

Gly Val Asp Gly Ala Ala Pro Ser Ser Gln Asp Leu Trp Arg Ile Arg
20 25 30

Ser Pro Cys Gly Asp Cys Glu Gly Phe Asp Val His Ile Met Asp Asp
35 40 45

Met Ile Lys Val Gly Arg Ala Thr Leu Cys Ile Val Pro Pro Thr Cys
50 55 60

Ser Cys Ile Ala Gly Leu Ser Gln Gly Pro Ser Leu Gly Ser Thr Gly
65 70 75 80

Ser Ser Val Gly Gly Ser Glu Val Arg Cys Cys His Phe Val Trp Phe
85 90 95

Asn Met Ser Ile Ala Trp Tyr Gln Pro Cys Ser Trp Leu Arg Ala Val
100 105 110

Thr Leu Cys Gln Asn Leu His Trp Ala Cys Thr Ser Cys His Cys Asn
115 120 125

Cys Pro Cys Gln Cys Pro Gln Leu Leu Phe
130 135

<210> 569

<211> 48

<212> PRT

<213> Homo sapiens

<400> 569

Met Arg Gly Asp Ala Pro Pro Ile Asn Leu Gly Cys Leu Pro Phe Phe
1 5 10 15

Leu Cys Leu Phe Phe Phe Cys His Leu Lys Tyr Tyr Leu Ser Leu Leu
20 25 30

Gly Asn Leu Arg Pro Ile Asp Glu Val Tyr Met Cys Leu Ser Asp Ile
35 40 45

<210> 570

<211> 17

<212> PRT

<213> Homo sapiens

<400> 570

Phe Leu Ser Leu Leu Phe Phe Phe Leu Ala Phe Ser Phe Phe Thr Glu
1 5 10 15

Ala

<210> 571
<211> 48
<212> PRT
<213> Homo sapiens

<400> 571
Met Arg Gly Asp Ala Pro Pro Ile Asn Leu Gly Cys Leu Pro Phe Phe
1 5 10 15

Leu Cys Leu Phe Phe Phe Cys His Leu Lys Tyr Tyr Leu Ser Leu Leu
20 25 30

Gly Asn Leu Arg Pro Ile Asp Glu Val Tyr Met Cys Leu Ser Asp Ile
35 40 45

<210> 572
<211> 184
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (153)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (178)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (181)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (182)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 572
Val Arg Met Lys Tyr Leu Phe Phe Ser Trp Leu Val Val Phe Val Gly
1 5 10 15

Ser Trp Ile Ile Tyr Val Gln Tyr Ser Thr Tyr Thr Glu Leu Cys Arg
 20 25 30
 Gly Lys Asp Cys Lys Lys Ile Ile Cys Asp Lys Tyr Lys Thr Gly Val
 35 40 45
 Ile Asp Gly Pro Ala Cys Asn Ser Leu Cys Val Thr Glu Thr Leu Tyr
 50 55 60
 Phe Gly Lys Cys Leu Ser Thr Lys Pro Asn Asn Gln Met Tyr Leu Gly
 65 70 75 80
 Ile Trp Asp Asn Leu Pro Gly Val Val Lys Cys Gln Met Glu Gln Ala
 85 90 95
 Leu His Leu Asp Phe Gly Thr Glu Leu Glu Pro Arg Lys Glu Ile Val
 100 105 110
 Leu Phe Asp Lys Pro Thr Arg Gly Thr Thr Val Gln Lys Phe Lys Glu
 115 120 125
 Met Val Tyr Ser Leu Phe Lys Ala Lys Leu Gly Asp Gln Gly Asn Leu
 130 135 140
 Ser Glu Leu Val Asn Leu Ile Leu Xaa Val Ala Asp Gly Asp Lys Asp
 145 150 155 160
 Gly Gln Val Ser Leu Gly Glu Ala Lys Ser Ala Trp Ala Leu Leu Gln
 165 170 175
 Leu Xaa Glu Phe Xaa Xaa His Gly
 180

<210> 573
 <211> 3
 <212> PRT
 <213> Homo sapiens

<400> 573
 Tyr Thr Val
 1

<210> 574
 <211> 403
 <212> PRT
 <213> Homo sapiens

<400> 574
 Met Lys Tyr Leu Phe Phe Ser Trp Leu Val Val Phe Val Gly Ser Trp
 1 5 10 15

Ile Ile Tyr Val Gln Tyr Ser Thr Tyr Thr Glu Leu Cys Arg Gly Lys
 20 25 30

Asp Cys Lys Lys Ile Ile Cys Asp Lys Tyr Lys Thr Gly Val Ile Asp
 35 40 45

Gly Pro Ala Cys Asn Ser Leu Cys Val Thr Glu Thr Leu Tyr Phe Gly
 50 55 60

Lys Cys Leu Ser Thr Lys Pro Asn Asn Gln Met Tyr Leu Gly Ile Trp
 65 70 75 80

Asp Asn Leu Pro Gly Val Val Lys Cys Gln Met Glu Gln Ala Leu His
 85 90 95

Leu Asp Phe Gly Thr Glu Leu Glu Pro Arg Lys Glu Ile Val Leu Phe
 100 105 110

Asp Lys Pro Thr Arg Gly Thr Thr Val Gln Lys Phe Lys Glu Met Val
 115 120 125

Tyr Ser Leu Phe Lys Ala Lys Leu Gly Asp Gln Gly Asn Leu Ser Glu
 130 135 140

Leu Val Asn Leu Ile Leu Thr Val Ala Asp Gly Asp Lys Asp Gly Gln
 145 150 155 160

Val Ser Leu Gly Glu Ala Lys Ser Ala Trp Ala Leu Leu Gln Leu Asn
 165 170 175

Glu Phe Leu Leu Met Val Ile Leu Gln Asp Lys Glu His Thr Pro Lys
 180 185 190

Leu Met Gly Phe Cys Gly Asp Leu Tyr Val Met Glu Ser Val Glu Tyr
 195 200 205

Thr Ser Leu Tyr Gly Ile Ser Leu Pro Trp Val Ile Glu Leu Phe Ile
 210 215 220

Pro Ser Gly Phe Arg Arg Ser Met Asp Gln Leu Phe Thr Pro Ser Trp
 225 230 235 240

Pro Arg Lys Ala Lys Ile Ala Ile Gly Leu Leu Glu Phe Val Glu Asp
 245 250 255

Val Phe His Gly Pro Tyr Gly Asn Phe Leu Met Cys Asp Thr Ser Ala
 260 265 270

Lys Asn Leu Gly Tyr Asn Asp Lys Tyr Asp Leu Lys Met Val Asp Met
 275 280 285

Arg Lys Ile Val Pro Glu Thr Asn Leu Lys Glu Leu Ile Lys Asp Arg
 290 295 300

His Cys Glu Ser Asp Leu Asp Cys Val Tyr Gly Thr Asp Cys Arg Thr
 305 310 315 320

Ser Cys Asp Gln Ser Thr Met Lys Cys Thr Ser Glu Val Ile Gln Pro
 325 330 335

<210> 577
<211> 127
<212> PRT
<213> Homo sapiens

<400> 577
Met Gly Gln Val Trp Arg Val Pro Pro Leu Leu Leu Ser Val Gln Val
1 5 10 15
Phe Leu Thr Met Ala His Ala Phe His Gln Ala Pro Glu Leu Gln Trp
20 25 30
Leu Gly Leu Trp Phe Trp Val Arg Leu Phe Ala Gly Gly Asp Gly Gly
35 40 45
Leu His Leu Asn Ile Ser Ser Val Thr Leu Pro Leu Leu His Gly Lys
50 55 60
Gln Leu Ser Arg Glu Val Pro Ser Cys Gln Gly Lys Pro Arg Leu Gly
65 70 75 80
Arg Pro Pro Tyr Lys Glu Pro Gln Asp Cys Ser His Gly Cys His Leu
85 90 95
Ser Trp Lys Gly Arg Phe Met Gly Phe Pro Gly Thr Pro Arg Leu Ser
100 105 110
Trp Pro Arg Gly Lys Arg Trp Leu Leu Gln Glu Phe Asp Leu Ser
115 120 125

<210> 578
<211> 9
<212> PRT
<213> Homo sapiens

<400> 578
Leu Gly Lys Pro Trp Arg Tyr Pro Thr
1 5

<210> 579
<211> 127
<212> PRT
<213> Homo sapiens

<400> 579
Met Gly Gln Val Trp Arg Val Pro Pro Leu Leu Leu Ser Val Gln Val
1 5 10 15
Phe Leu Thr Met Ala His Ala Phe His Gln Ala Pro Glu Leu Gln Trp
20 25 30
Leu Gly Leu Trp Phe Trp Val Arg Leu Phe Ala Gly Gly Asp Gly Gly

35

40

45

Leu His Leu Asn Ile Ser Ser Val Thr Leu Pro Leu Leu His Gly Lys
 50 55 60

Gln Leu Ser Arg Glu Val Pro Ser Cys Gln Gly Lys Pro Arg Leu Gly
 65 70 75 80

Arg Pro Pro Tyr Lys Glu Pro Gln Asp Cys Ser His Gly Cys His Leu
 85 90 95

Ser Trp Lys Gly Arg Phe Met Gly Phe Pro Gly Thr Pro Arg Leu Ser
 100 105 110

Trp Pro Arg Gly Lys Arg Trp Leu Leu Gln Glu Phe Asp Leu Ser
 115 120 125

<210> 580

<211> 61

<212> PRT

<213> Homo sapiens

<400> 580

Met Lys Ser Ala Leu His Arg Asp Ile Cys Ile Leu Met Leu Thr Ala
 1 5 10 15

Ala Leu Phe Thr Ile Ala Lys Thr Glu Lys Gln His Lys Cys Pro Ser
 20 25 30

Ile Asp Glu Gln Ile Asn Asn Leu Gln Tyr Ile Cys Thr Met Glu Tyr
 35 40 45

His Ser Ala Leu Gln Lys Glu Met Leu Leu Tyr Leu Gln
 50 55 60

<210> 581

<211> 61

<212> PRT

<213> Homo sapiens

<400> 581

Met Lys Ser Ala Leu His Arg Asp Ile Cys Ile Leu Met Leu Thr Ala
 1 5 10 15

Ala Leu Phe Thr Ile Ala Lys Thr Glu Lys Gln His Lys Cys Pro Ser
 20 25 30

Ile Asp Glu Gln Ile Asn Asn Leu Gln Tyr Ile Cys Thr Met Glu Tyr
 35 40 45

His Ser Ala Leu Gln Lys Glu Met Leu Leu Tyr Leu Gln
 50 55 60

<210> 582
<211> 61
<212> PRT
<213> Homo sapiens

<400> 582
Met Lys Ser Ala Leu His Arg Asp Ile Cys Ile Leu Met Leu Thr Ala
1 5 10 15
Ala Leu Phe Thr Ile Ala Lys Thr Glu Lys Gln His Lys Cys Pro Ser
20 25 30
Ile Asp Glu Gln Ile Asn Asn Leu Gln Tyr Ile Cys Thr Met Glu Tyr
35 40 45
His Ser Ala Leu Gln Lys Glu Met Leu Leu Tyr Leu Gln
50 55 60

<210> 583
<211> 41
<212> PRT
<213> Homo sapiens

<400> 583
Met Leu Val Ser Met Cys Met Gly Leu Leu Phe Leu Gln Val Gly Lys
1 5 10 15
Gln Cys Ile Ala Phe Phe Tyr Thr Glu Ser Thr Arg Arg Pro Lys His
20 25 30
Leu Lys Thr Met Gly Ser Gly Tyr Ala
35 40

<210> 584
<211> 41
<212> PRT
<213> Homo sapiens

<400> 584
Met Leu Val Ser Met Cys Met Gly Leu Leu Phe Leu Gln Val Gly Lys
1 5 10 15
Gln Cys Ile Ala Phe Phe Tyr Thr Glu Ser Thr Arg Arg Pro Lys His
20 25 30
Leu Lys Thr Met Gly Ser Gly Tyr Ala
35 40

<210> 585

<211> 241
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 585

Met	Phe	Lys	Leu	Arg	Gln	Met	Arg	Val	Glu	Lys	Phe	Ile	Tyr	Glu	Asn
1				5					10					15	
His	Pro	Asp	Val	Phe	Ser	Asp	Ser	Ser	Met	Asp	His	Phe	Gln	Lys	Phe
			20					25					30		
Leu	Pro	Thr	Val	Gly	Gly	Gln	Leu	Gly	Thr	Ala	Gly	Gln	Gly	Phe	Ser
		35					40					45			
Tyr	Ser	Lys	Ser	Asn	Gly	Arg	Gly	Gly	Xaa	Gln	Ala	Gly	Gly	Ser	Gly
	50					55					60				
Ser	Ala	Gly	Gln	Tyr	Gly	Ser	Asp	Gln	Gln	His	His	Leu	Gly	Ser	Gly
65					70					75					80
Ser	Gly	Ala	Gly	Gly	Thr	Gly	Gly	Pro	Ala	Gly	Gln	Ala	Gly	Arg	Gly
				85					90					95	
Gly	Ala	Ala	Gly	Thr	Ala	Gly	Val	Gly	Glu	Thr	Gly	Ser	Gly	Asp	Gln
			100					105					110		
Ala	Gly	Gly	Glu	Gly	Lys	His	Ile	Thr	Val	Phe	Lys	Thr	Tyr	Ile	Ser
	115						120					125			
Pro	Trp	Glu	Arg	Ala	Met	Gly	Val	Asp	Pro	Gln	Gln	Lys	Met	Glu	Leu
	130					135					140				
Gly	Ile	Asp	Leu	Leu	Ala	Tyr	Gly	Ala	Lys	Ala	Glu	Leu	Pro	Lys	Tyr
145					150					155					160
Lys	Ser	Phe	Asn	Arg	Thr	Ala	Met	Pro	Tyr	Gly	Gly	Tyr	Glu	Lys	Ala
			165						170					175	
Ser	Lys	Arg	Met	Thr	Phe	Gln	Met	Pro	Lys	Phe	Asp	Leu	Gly	Pro	Leu
			180					185					190		
Leu	Ser	Glu	Pro	Leu	Val	Leu	Tyr	Asn	Gln	Asn	Leu	Ser	Asn	Arg	Pro
		195					200					205			
Ser	Phe	Asn	Arg	Thr	Pro	Ile	Pro	Trp	Leu	Ser	Ser	Gly	Glu	Pro	Val
	210					215					220				
Asp	Tyr	Asn	Val	Asp	Ile	Gly	Ile	Pro	Leu	Asp	Gly	Glu	Thr	Glu	Glu
225					230					235					240

Leu

<210> 586
 <211> 241
 <212> PRT
 <213> Homo sapiens

<400> 586

Met	Phe	Lys	Leu	Arg	Gln	Met	Arg	Val	Glu	Lys	Phe	Ile	Tyr	Glu	Asn
1				5					10					15	
His	Pro	Asp	Val	Phe	Ser	Asp	Ser	Ser	Met	Asp	His	Phe	Gln	Lys	Phe
			20					25					30		
Leu	Pro	Thr	Val	Gly	Gly	Gln	Leu	Gly	Thr	Ala	Gly	Gln	Gly	Phe	Ser
		35					40					45			
Tyr	Ser	Lys	Ser	Asn	Gly	Arg	Gly	Gly	Ser	Gln	Ala	Gly	Gly	Ser	Gly
	50					55					60				
Ser	Ala	Gly	Gln	Tyr	Gly	Ser	Asp	Gln	Gln	His	His	Leu	Gly	Ser	Gly
65					70					75					80
Ser	Gly	Ala	Gly	Gly	Thr	Gly	Gly	Pro	Ala	Gly	Gln	Ala	Gly	Arg	Gly
				85					90					95	
Gly	Ala	Ala	Gly	Thr	Ala	Gly	Val	Gly	Glu	Thr	Gly	Ser	Gly	Asp	Gln
			100					105					110		
Ala	Gly	Gly	Glu	Gly	Lys	His	Ile	Thr	Val	Phe	Lys	Thr	Tyr	Ile	Ser
			115				120					125			
Pro	Trp	Glu	Arg	Ala	Met	Gly	Val	Asp	Pro	Gln	Gln	Lys	Met	Glu	Leu
	130					135					140				
Gly	Ile	Asp	Leu	Leu	Ala	Tyr	Gly	Ala	Lys	Ala	Glu	Leu	Pro	Lys	Tyr
145					150					155					160
Lys	Ser	Phe	Asn	Arg	Thr	Ala	Met	Pro	Tyr	Gly	Gly	Tyr	Glu	Lys	Ala
			165						170					175	
Ser	Lys	Arg	Met	Thr	Phe	Gln	Met	Pro	Lys	Phe	Asp	Leu	Gly	Pro	Leu
			180					185					190		
Leu	Ser	Glu	Pro	Leu	Val	Leu	Tyr	Asn	Gln	Asn	Leu	Ser	Asn	Arg	Pro
		195					200					205			
Ser	Phe	Asn	Arg	Thr	Pro	Ile	Pro	Trp	Leu	Ser	Ser	Gly	Glu	Pro	Val
	210					215					220				
Asp	Tyr	Asn	Val	Asp	Ile	Gly	Ile	Pro	Leu	Asp	Gly	Glu	Thr	Glu	Glu
225					230					235					240

Leu

<210> 587
<211> 17
<212> PRT
<213> Homo sapiens

<400> 587
Arg Phe Pro Ile Ser Pro His Pro Tyr Gln His Ala Phe Leu Phe Phe
1 5 10 15

Phe

<210> 588
<211> 39
<212> PRT
<213> Homo sapiens

<400> 588
Leu Arg Val Ala Val Gly Leu Cys Pro Arg Asp Ala Leu Leu Leu Ser
1 5 10 15

Pro Pro Arg Val Val Val Cys Gly Val Thr Asp Val Val Val Asp Lys
20 25 30

Gly Val Gly Leu Leu Val Val
35

<210> 589
<211> 23
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 589
Met Arg Val Thr Xaa Ser Ser His Pro Cys Gln Arg Leu Val Leu Gln
1 5 10 15

Cys Ser Gly Phe Trp Leu Phe
20

<210> 590
<211> 27
<212> PRT
<213> Homo sapiens

<400> 590

Met Arg Val Thr Val Ser Ser His Pro Cys Gln Arg Leu Val Leu Ser
1 5 10 15

Val Phe Trp Leu Leu Ala Ile Leu Ile Gly Val
20 25

<210> 591

<211> 55

<212> PRT

<213> Homo sapiens

<400> 591

Met Glu Ser Ser Thr Gly Lys Ala Ser Pro Arg Cys His Ile His Cys
1 5 10 15

Val Pro Pro Phe Pro Pro Pro Cys Pro Val Lys Arg Val Gly Arg Leu
20 25 30

Phe Leu Phe Phe Gln His Phe Pro Gln Gly Thr Val Ile Ile Pro Leu
35 40 45

Met Pro Ser Pro Pro Leu Asp
50 55

<210> 592

<211> 314

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (129)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 592

Tyr Ser Lys Thr His Ser Ile Lys Ser Ala Gln Pro Gly Val Pro Thr
1 5 10 15

Ser Ala Arg Ser Pro Arg Gln Pro Ser Pro Gly Pro Thr Pro Pro Pro
20 25 30

Phe Pro Gly Asn Arg Gly Thr Ala Leu Gly Gly Gly Ser Ile Arg Gln
35 40 45

Ser Pro Leu Ser Ser Ser Ser Pro Phe Ser Asn Arg Pro Pro Leu Pro
50 55 60

Pro Thr Pro Ser Arg Ala Leu Asp Asp Lys Pro Pro Pro Pro Pro Pro
65 70 75 80

Pro Val Gly Asn Arg Pro Ser Ile His Arg Glu Ala Val Pro Pro Pro
85 90 95

Pro Pro Gln Asn Asn Lys Pro Pro Val Pro Ser Thr Pro Arg Pro Ser
 100 105 110
 Ala Ala Ser Gln Ala Pro Pro Pro Pro Pro Pro Ser Arg Pro Gly
 115 120 125
 Xaa Pro Pro Leu Pro Pro Ser Ser Ser Gly Asn Asp Glu Thr Pro Arg
 130 135 140
 Leu Pro Gln Arg Asn Leu Ser Leu Ser Ser Thr Pro Pro Leu Pro
 145 150 155 160
 Ser Pro Gly Arg Ser Gly Pro Leu Pro Pro Pro Ser Glu Arg Pro
 165 170 175
 Pro Pro Pro Val Arg Asp Pro Pro Gly Arg Ser Gly Pro Leu Pro Pro
 180 185 190
 Pro Pro Pro Val Ser Arg Asn Gly Ser Thr Ser Arg Ala Leu Pro Ala
 195 200 205
 Thr Pro Gln Leu Pro Ser Arg Ser Gly Val Asp Ser Pro Arg Ser Gly
 210 215 220
 Pro Arg Pro Pro Leu Pro Pro Asp Arg Pro Ser Ala Gly Ala Pro Pro
 225 230 235 240
 Pro Pro Pro Pro Ser Thr Ser Ile Arg Asn Gly Phe Gln Asp Ser Pro
 245 250 255
 Cys Glu Asp Glu Trp Glu Ser Arg Phe Tyr Phe His Pro Ile Ser Asp
 260 265 270
 Leu Pro Pro Pro Glu Pro Tyr Val Gln Thr Thr Lys Ser Tyr Pro Ser
 275 280 285
 Lys Leu Ala Arg Asn Glu Ser Arg Ser Gly Ser Asn Arg Arg Glu Arg
 290 295 300
 Gly Ala Pro Pro Leu Pro Pro Ile Pro Arg
 305 310

<210> 593
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 593
 Met Glu Ser Ser Thr Gly Lys Ala Ser Pro Arg Cys His Ile His Cys
 1 5 10 15
 Val Pro Pro Phe Pro Pro Pro Cys Pro Val Lys Arg Val Gly Arg Leu
 20 25 30

Phe Leu Phe Phe Gln His Phe Pro Gln Gly Thr Val Ile Ile Pro Leu
35 40 45

Met Pro Ser Pro Pro Leu Asp
50 55

<210> 594

<211> 53

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 594

Phe Ile Ile His Ser Ile Ser Pro Val Ala Leu Asn Pro Gln Ala His
1 5 10 15

Asp Leu Pro Phe Ser Leu Xaa Ser Cys Val Ser Val Phe Asn Leu Arg
20 25 30

Ser Phe Pro Thr Met Asp Ser Cys Thr Thr Leu Asn Glu Thr Ser Ile
35 40 45

Phe Gln Arg Arg Val
50

<210> 595

<211> 261

<212> PRT

<213> Homo sapiens

<400> 595

Gly Ile Phe Arg Ser Leu Arg Val Leu Phe Pro Leu Phe Ser Val Gly
1 5 10 15

Arg Pro Gln Phe Ala Arg Ser Leu Ser Ala Ala Pro Gln Leu Ser Asp
20 25 30

Thr Ala Asp Thr Met Gly Phe Gly Asp Leu Lys Ser Pro Ala Gly Leu
35 40 45

Gln Val Leu Asn Asp Tyr Leu Ala Asp Lys Ser Tyr Ile Glu Gly Tyr
50 55 60

Val Pro Ser Gln Ala Asp Val Ala Val Phe Glu Ala Val Ser Ser Pro
65 70 75 80

Pro Pro Ala Asp Leu Cys His Ala Leu Arg Trp Tyr Asn His Ile Lys
85 90 95

Ser Tyr Glu Lys Glu Lys Ala Ser Leu Pro Gly Val Lys Lys Ala Leu
 100 105 110
 Gly Lys Tyr Gly Pro Ala Asp Val Glu Asp Thr Thr Gly Ser Gly Ala
 115 120 125
 Thr Asp Ser Lys Asp Asp Asp Asp Ile Asp Leu Phe Gly Ser Asp Asp
 130 135 140
 Glu Glu Glu Ser Glu Glu Ala Lys Arg Leu Arg Glu Glu Arg Leu Ala
 145 150 155 160
 Gln Tyr Glu Ser Lys Lys Ala Lys Lys Pro Ala Leu Val Ala Lys Ser
 165 170 175
 Ser Ile Leu Leu Asp Val Lys Pro Trp Asp Asp Glu Thr Asp Met Ala
 180 185 190
 Lys Leu Glu Glu Cys Val Arg Ser Ile Gln Ala Asp Gly Leu Val Trp
 195 200 205
 Gly Ser Ser Lys Leu Val Pro Val Gly Tyr Gly Ile Lys Lys Leu Gln
 210 215 220
 Ile Gln Cys Val Val Glu Asp Asp Lys Val Gly Thr Asp Met Leu Glu
 225 230 235 240
 Glu Gln Ile Thr Ala Phe Glu Asp Tyr Val Gln Ser Met Asp Val Ala
 245 250 255
 Ala Phe Asn Lys Ile
 260

<210> 596
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 596
 Met Lys Lys Glu Met Val Leu Leu Thr Thr Thr Tyr Phe Ser Leu His
 1 5 10 15
 Val Lys Val Phe Phe Cys Leu Phe Val Cys Phe Ser Ile Leu Ser Ser
 20 25 30
 Ser Arg Arg Gly Ser Leu Ala Asn Asn Ser Ser Trp
 35 40

<210> 597
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 597

Met Lys Lys Glu Met Val Leu Leu Thr Thr Thr Tyr Phe Ser Leu His
1 5 10 15

Val Lys Val Phe Phe Cys Leu Phe Val Cys Phe Ser Ile Leu Ser Ser
20 25 30

Ser Arg Arg Gly Ser Leu Ala Asn Asn Ser Ser Trp
35 40

<210> 598

<211> 42

<212> PRT

<213> Homo sapiens

<400> 598

Met Phe Thr Leu Leu Leu Ser Ser Phe Phe Leu Gln His Cys Leu Gln
1 5 10 15

Asn Asn Leu Tyr Ala Ser Glu Arg Glu Gln Ile Phe Ser Asn Phe Leu
20 25 30

Gln Leu Ser Ser Leu Lys Arg Arg Ile Cys
35 40

<210> 599

<211> 6

<212> PRT

<213> Homo sapiens

<400> 599

Leu Leu Leu Ser Ser Phe
1 5

<210> 600

<211> 42

<212> PRT

<213> Homo sapiens

<400> 600

Met Phe Thr Leu Leu Leu Ser Ser Phe Phe Leu Gln His Cys Leu Gln
1 5 10 15

Asn Asn Leu Tyr Ala Ser Glu Arg Glu Gln Ile Phe Ser Asn Phe Leu
20 25 30

Gln Leu Ser Ser Leu Lys Arg Arg Ile Cys
35 40

<210> 601
<211> 86
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 601
Leu Gly Ser Pro Glu Xaa Ala Gln Lys Val Asp Ile Thr Ser Ala His
1 5 10 15
Phe Ile Gly Gln Xaa Ser Arg Pro Ser Asp Phe Ala Gln Val Xaa Ser
20 25 30
Leu Glu Gly Ser Arg Pro Val Ile Trp Ser Leu Asn Gly Trp Thr Leu
35 40 45
Lys Glu Thr Pro Arg Ala Asp Gly Val Phe Thr Glu Thr Ala Gly Gln
50 55 60
Gly Leu Gly Thr Ala Gln Gly His Leu Leu Trp Xaa Ala Ala Ala Thr
65 70 75 80
Gly Ser Pro Asp Cys Ser
85

<210> 602
<211> 44
<212> PRT
<213> Homo sapiens

<400> 602
Met Gly Val Ala Leu Pro Ser Pro Leu Leu Cys Ser Leu Pro Leu Phe
1 5 10 15
Leu Leu Phe Gly Asp Val Ser Gly Ser Ser Ser Leu Leu Ala Leu Leu
20 25 30

Pro Phe Leu His Pro Trp His His Pro Ser Leu Ser
35 40

<210> 603
<211> 44
<212> PRT
<213> Homo sapiens

<400> 603
Met Gly Val Ala Leu Pro Ser Pro Leu Leu Cys Ser Leu Pro Leu Phe
1 5 10 15
Leu Leu Phe Gly Asp Val Ser Gly Ser Ser Ser Leu Leu Ala Leu Leu
20 25 30

Pro Phe Leu His Pro Trp His His Pro Ser Leu Ser
35 40

<210> 604
<211> 60
<212> PRT
<213> Homo sapiens

<400> 604
Met Leu Ser Ala Val Leu Thr Met Leu Arg Phe Ile Ile Ala Phe Ser
1 5 10 15
Leu Leu Phe Cys Ser Cys Ser Thr Asp Lys His Cys Thr Trp Tyr His
20 25 30
Ala Leu Pro His Phe Lys Lys Ile Cys Leu Thr Glu Arg Lys Lys Met
35 40 45
Trp Phe Gly Leu Ala Ala Val Leu Ile Tyr Gly Ile
50 55 60

<210> 605
<211> 17
<212> PRT
<213> Homo sapiens

<400> 605
Ile Thr Phe Ser Cys Phe Phe Cys Asn Asn Cys Ser Gln Val Asn Leu
1 5 10 15
Gln

<210> 606
<211> 60
<212> PRT
<213> Homo sapiens

<400> 606
Met Leu Ser Ala Val Leu Thr Met Leu Arg Phe Ile Ile Ala Phe Ser
1 5 10 15
Leu Leu Phe Cys Ser Cys Ser Thr Asp Lys His Cys Thr Trp Tyr His
20 25 30
Ala Leu Pro His Phe Lys Lys Ile Cys Leu Thr Glu Arg Lys Lys Met
35 40 45
Trp Phe Gly Leu Ala Ala Val Leu Ile Tyr Gly Ile
50 55 60

<210> 607
<211> 97
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 607
Leu Gly Ala Glu His Phe Lys Cys Ile Thr Trp Val Ala Gly Trp Ala
1 5 10 15
Val Pro Gly Leu Lys Gly Val Gly Ser Phe Phe Gln Gly Ala Pro Ser
20 25 30
Ala Ser Trp His Arg Thr Leu Ala Pro Ala His Pro Lys Leu Thr Leu
35 40 45
Val Gly Val Gly Pro Leu Thr Gln Thr Trp Pro Leu Pro Ser Leu Val
50 55 60
Leu Leu Pro Gln Leu Ser Pro Val Cys Gly Arg Val Cys Leu Asp Arg
65 70 75 80
Leu Trp Ala Gly Gln Gly Xaa Gly Gln Ala Glu Xaa Glu Phe Val Leu
85 90 95

Gly

<210> 608
<211> 318
<212> PRT
<213> Homo sapiens

<400> 608

Met	Arg	Leu	Leu	Ala	Gly	Trp	Leu	Cys	Leu	Ser	Leu	Ala	Ser	Val	Trp
1				5				10						15	
Leu	Ala	Arg	Arg	Met	Trp	Thr	Leu	Arg	Ser	Pro	Leu	Thr	Arg	Ser	Leu
			20					25					30		
Tyr	Val	Asn	Met	Thr	Ser	Gly	Pro	Gly	Gly	Pro	Ala	Ala	Ala	Ala	Gly
		35					40					45			
Gly	Arg	Lys	Glu	Asn	His	Gln	Trp	Tyr	Val	Cys	Asn	Arg	Glu	Lys	Leu
	50					55					60				
Cys	Glu	Ser	Leu	Gln	Ala	Val	Phe	Val	Gln	Ser	Tyr	Leu	Asp	Gln	Gly
65					70					75					80
Thr	Gln	Ile	Phe	Leu	Asn	Asn	Ser	Ile	Glu	Lys	Ser	Gly	Trp	Leu	Phe
				85					90					95	
Ile	Gln	Leu	Tyr	His	Ser	Phe	Val	Ser	Ser	Val	Phe	Ser	Leu	Phe	Met
		100						105					110		
Ser	Arg	Thr	Ser	Ile	Asn	Gly	Leu	Leu	Gly	Arg	Gly	Ser	Met	Phe	Val
		115					120					125			
Phe	Ser	Pro	Asp	Gln	Phe	Gln	Arg	Leu	Leu	Lys	Ile	Asn	Pro	Asp	Trp
	130					135					140				
Lys	Thr	His	Arg	Leu	Leu	Asp	Leu	Gly	Ala	Gly	Asp	Gly	Glu	Val	Thr
145					150					155					160
Lys	Ile	Met	Ser	Pro	His	Phe	Glu	Glu	Ile	Tyr	Ala	Thr	Glu	Leu	Ser
				165					170					175	
Glu	Thr	Met	Ile	Trp	Gln	Leu	Gln	Lys	Lys	Lys	Tyr	Arg	Val	Leu	Gly
		180						185					190		
Ile	Asn	Glu	Trp	Gln	Asn	Thr	Gly	Phe	Gln	Tyr	Asp	Val	Ile	Ser	Cys
		195					200					205			
Leu	Asn	Leu	Leu	Asp	Arg	Cys	Asp	Gln	Pro	Leu	Thr	Leu	Leu	Lys	Asp
	210					215					220				
Ile	Arg	Ser	Val	Leu	Glu	Pro	Thr	Arg	Gly	Arg	Val	Ile	Leu	Ala	Leu
225					230					235					240
Val	Leu	Pro	Phe	His	Pro	Tyr	Val	Glu	Asn	Val	Gly	Gly	Lys	Trp	Glu
				245					250					255	
Lys	Pro	Ser	Glu	Ile	Leu	Glu	Ile	Lys	Gly	Gln	Asn	Trp	Glu	Glu	Gln

260	265	270
Val Asn Ser Leu Pro Glu	Val Phe Arg Lys Ala Gly	Phe Val Ile Glu
275	280	285
Ala Phe Thr Arg Leu Pro	Tyr Leu Cys Glu Gly Asp	Met Tyr Asn Asp
290	295	300
Tyr Tyr Val Leu Asp Asp	Ala Val Phe Val Leu Lys	Pro Val
305	310	315

<210> 609
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 609

Met Arg Leu Leu Ala Gly	Trp Leu Cys Leu Ser Leu Ala Ser Val Trp
1	5 10 15
Leu Ala Arg Arg Met Trp Thr Leu Arg Ser Pro Leu Thr Arg Ser Leu	
20	25 30
Tyr Val Asn Met Thr Ser Gly Pro Gly Gly Pro Ala Ala Ala Ala Gly	
35	40 45
Gly Arg Lys Glu Asn His Gln Trp Tyr Val Cys Asn Arg Glu Lys Leu	
50	55 60
Cys Glu Ser Leu Gln Ala Val Phe Val Gln Ser Tyr Leu Asp Gln Gly	
65	70 75 80
Thr Gln Ile Phe Leu Asn Asn Ser Ile Glu Lys Ser Gly Trp Leu Phe	
85	90 95
Ile Gln Leu Tyr His Ser Phe Val Ser Ser Val Phe Ser Leu Phe Met	
100	105 110
Ser Arg Thr Ser Ile Asn Gly Leu Leu Gly Arg Gly Ser Met Phe Val	
115	120 125
Phe Ser Pro Asp Gln Phe Gln Arg Leu Leu Lys Ile Asn Pro Asp Trp	
130	135 140
Lys Thr His Arg Leu Leu Asp Leu Gly Ala Gly Asp Gly Glu Val Thr	
145	150 155 160
Lys Ile Met Ser Pro His Phe Glu Glu Ile Tyr Ala Thr Glu Leu Ser	
165	170 175
Glu Thr Met Ile Trp Gln Leu Gln Lys Lys Lys Tyr Arg Val Leu Gly	
180	185 190
Ile Asn Glu Trp Gln Asn Thr Gly Phe Gln Tyr Asp Val Ile Ser Cys	
195	200 205

Leu Asn Leu Leu Asp Arg Cys Asp Gln Pro Leu Thr Leu Leu Lys Asp
 210 215 220
 Ile Arg Ser Val Leu Glu Pro Thr Arg Gly Arg Val Ile Leu Ala Leu
 225 230 235 240
 Val Leu Pro Phe His Pro Tyr Val Glu Asn Val Gly Gly Lys Trp Glu
 245 250 255
 Lys Pro Ser Glu Ile Leu Glu Ile Lys Gly Gln Asn Trp Glu Glu Gln
 260 265 270
 Val Asn Ser Leu Pro Glu Val Phe Arg Lys Ala Gly Phe Val Ile Glu
 275 280 285
 Ala Phe Thr Arg Leu Pro Tyr Leu Cys Glu Gly Asp Met Tyr Asn Ala
 290 295 300
 Tyr Tyr Val Leu Asp Asp Ala Val Phe Val Leu Lys Pro Val
 305 310 315

<210> 610
 <211> 195
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (159)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (175)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 610
 Met Trp Thr Leu Phe Ala Leu Ser Gly Pro Leu Phe Leu Phe Gln Val
 1 5 10 15
 Leu Thr Phe Met Ile Tyr Ile Val Ser Thr Val Phe Cys Gly His Leu
 20 25 30
 Gly Lys Val Glu Leu Ala Ser Val Thr Leu Ala Val Ala Phe Val Asn
 35 40 45
 Val Cys Gly Val Ser Val Gly Val Gly Leu Ser Ser Ala Cys Asp Thr
 50 55 60
 Leu Met Ser Gln Ser Phe Gly Ser Pro Asn Lys Lys His Val Gly Val
 65 70 75 80
 Ile Leu Gln Arg Gly Ala Leu Val Leu Leu Leu Cys Cys Leu Pro Cys
 85 90 95

Trp Ala Leu Phe Leu Asn Thr Gln His Ile Leu Leu Leu Phe Arg Gln
 100 105 110
 Asp Pro Asp Val Ser Arg Leu Thr Gln Asp Tyr Val Met Ile Phe Ile
 115 120 125
 Pro Gly Leu Pro Val Ile Phe Leu Tyr Asn Leu Leu Ala Lys Tyr Leu
 130 135 140
 Gln Asn Gln Val Gln Val Phe Ser Val Trp Gly Gly Pro Ser Xaa Ser
 145 150 155 160
 Thr Leu Pro Tyr Ser Ser Gly Arg Gly Ala Trp Gly Phe Pro Xaa Leu
 165 170 175
 Ser Thr Ile Cys Glu Pro Ala Leu Glu Arg Gly Ser Leu Pro Thr His
 180 185 190
 Leu Pro Tyr
 195

<210> 611
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 611
 Leu Ala Gly Pro Val Phe Ile Tyr Phe Arg Arg Ser Pro Gly Pro Lys
 1 5 10 15
 Ser Ser Val Val Trp Trp Ala Thr Val Ser Thr Val Trp Pro Thr Met
 20 25 30
 Pro Trp Phe Leu Cys
 35

<210> 612
 <211> 3
 <212> PRT
 <213> Homo sapiens

<400> 612
 Ile Pro Gly
 1

<210> 613
 <211> 180
 <212> PRT
 <213> Homo sapiens

<400> 613

Met Trp Thr Leu Phe Ala Leu Ser Gly Pro Leu Phe Leu Phe Gln Val
1 5 10 15
Leu Thr Phe Met Ile Tyr Ile Val Ser Thr Val Phe Cys Gly His Leu
20 25 30
Gly Lys Val Glu Leu Ala Ser Val Thr Leu Ala Val Ala Phe Val Asn
35 40 45
Val Cys Gly Val Ser Val Gly Val Gly Leu Ser Ser Ala Cys Asp Thr
50 55 60
Leu Met Ser Gln Ser Phe Gly Ser Pro Asn Lys Lys His Val Gly Val
65 70 75 80
Ile Leu Gln Arg Gly Ala Leu Val Leu Leu Leu Cys Cys Leu Pro Cys
85 90 95
Trp Ala Leu Phe Leu Asn Thr Gln His Ile Leu Leu Leu Phe Arg Gln
100 105 110
Asp Pro Asp Val Ser Arg Leu Thr Gln Asp Tyr Val Met Ile Phe Ile
115 120 125
Pro Gly Leu Pro Val Ile Phe Leu Tyr Asn Leu Leu Ala Lys Tyr Leu
130 135 140
Gln Asn Gln Val Gln Val Phe Glu Cys Val Gly Arg Pro Phe Ser Gln
145 150 155 160
His Thr Ala Leu Phe Gln Trp Glu Gly Gly Leu Gly Leu Ser Pro Ser
165 170 175
Leu His His Leu
180

<210> 614

<211> 38

<212> PRT

<213> Homo sapiens

<400> 614

Glu Lys Lys Lys Lys Lys Lys Lys Arg Pro Gly Ala Val Ala His Ala
1 5 10 15
Leu Ile Pro Ala Leu Trp Glu Thr Glu Ala Gly Gly Ser Pro Glu Val
20 25 30
Gly Ser Ser Arg Pro Ala
35

<210> 615

<211> 18
<212> PRT
<213> Homo sapiens

<400> 615

Met Val Arg Thr Leu Ser Leu Ala Val Leu Ser Trp Leu Pro Ala Ala
1 5 10 15

Val Cys

<210> 616
<211> 18
<212> PRT
<213> Homo sapiens

<400> 616

Met Val Arg Thr Leu Ser Leu Ala Val Leu Ser Trp Leu Pro Ala Ala
1 5 10 15

Val Cys

<210> 617
<211> 42
<212> PRT
<213> Homo sapiens

<400> 617

Met Leu Leu Ser Trp Thr Val Leu Ile Ile Ile Leu Pro Phe Ala Gly
1 5 10 15

Asp Val Ser Ser His Leu Cys Ile Leu Arg Pro Phe Ala Gly Ser Val
20 25 30

Ser Ser Cys Leu Ser Asn Phe Lys Arg Ile
35 40

<210> 618
<211> 42
<212> PRT
<213> Homo sapiens

<400> 618

Met Leu Leu Ser Trp Thr Val Leu Ile Ile Ile Leu Pro Phe Ala Gly
1 5 10 15

Asp Val Ser Ser His Leu Cys Ile Leu Arg Pro Phe Ala Gly Ser Val
20 25 30

Ser Ser Cys Leu Ser Asn Phe Lys Arg Ile

35

40

<210> 619
 <211> 93
 <212> PRT
 <213> Homo sapiens

<400> 619
 Ser Ala Ser Cys Trp Asn Ala Asn Phe Leu Pro Arg Asn Gln Gly Arg
 1 5 10 15
 Lys Leu His Cys Cys Ala Lys Lys Lys Lys Lys Pro Ser Leu His Thr
 20 25 30
 Leu Lys Pro Phe Leu Asn Pro Ser Arg Glu Ser Thr Val Ala Ser Ser
 35 40 45
 Thr Thr Ala Ile Gly Phe Ala Ser Val Met Cys Ser Tyr Leu Leu Asp
 50 55 60
 Phe Gln Asn Ile Lys Lys Lys Lys Arg Ala Ala Ala Leu Glu Asp Pro
 65 70 75 80
 Ser Leu Arg Thr Arg Ala Cys Asp Asn Ile Ala Arg Arg
 85 90

<210> 620
 <211> 403
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (175)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (320)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (331)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (368)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 620
 Met Ala Thr Ala Glu Arg Arg Ala Leu Gly Ile Gly Phe Gln Trp Leu

1	5	10	15
Ser Leu Ala Thr Leu Val Leu Ile Cys Ala Gly Gln Gly Gly Arg Arg	20	25	30
Glu Asp Gly Gly Pro Ala Cys Tyr Gly Gly Phe Asp Leu Tyr Phe Ile	35	40	45
Leu Asp Lys Ser Gly Ser Val Leu His His Trp Asn Glu Ile Tyr Tyr	50	55	60
Phe Val Glu Gln Leu Ala His Lys Phe Ile Ser Pro Gln Leu Arg Met	65	70	75
Ser Phe Ile Val Phe Ser Thr Arg Gly Thr Thr Leu Met Lys Leu Thr	85	90	95
Glu Asp Arg Glu Gln Ile Arg Gln Gly Leu Glu Glu Leu Gln Lys Val	100	105	110
Leu Pro Gly Gly Asp Thr Tyr Met His Glu Gly Phe Glu Arg Ala Ser	115	120	125
Glu Gln Ile Tyr Tyr Glu Asn Arg Gln Gly Tyr Arg Thr Ala Ser Val	130	135	140
Ile Ile Ala Leu Thr Asp Gly Glu Leu His Glu Asp Leu Phe Phe Tyr	145	150	155
Ser Glu Arg Glu Ala Asn Arg Ser Arg Asp Leu Gly Ala Ile Xaa Tyr	165	170	175
Cys Val Gly Val Lys Asp Phe Asn Glu Thr Gln Leu Ala Arg Ile Ala	180	185	190
Asp Ser Lys Asp His Val Phe Pro Val Asn Asp Gly Phe Gln Ala Leu	195	200	205
Gln Gly Ile Ile His Ser Ile Leu Lys Lys Ser Cys Ile Glu Ile Leu	210	215	220
Ala Ala Glu Pro Ser Thr Ile Cys Ala Gly Glu Ser Phe Gln Val Val	225	230	235
Val Arg Gly Asn Gly Phe Arg His Ala Arg Asn Val Asp Arg Val Leu	245	250	255
Cys Ser Phe Lys Ile Asn Asp Ser Val Thr Leu Asn Glu Lys Pro Phe	260	265	270
Ser Val Glu Asp Thr Tyr Leu Leu Cys Pro Ala Pro Ile Leu Lys Glu	275	280	285
Val Gly Met Lys Ala Ala Leu Gln Val Ser Met Asn Asp Gly Leu Ser	290	295	300
Phe Ile Ser Ser Ser Val Ile Ile Thr Thr Thr His Cys Ser Asp Xaa			

305		310		315		320									
Ser	Ile	Leu	Ala	Ile	Ala	Leu	Leu	Ile	Leu	Xaa	Leu	Leu	Leu	Ala	Leu
				325					330					335	
Ala	Leu	Leu	Trp	Trp	Phe	Trp	Pro	Leu	Cys	Cys	Thr	Val	Ile	Ile	Lys
			340					345					350		
Glu	Val	Pro	Pro	Pro	Pro	Ala	Glu	Glu	Ser	Glu	Val	Ser	Asp	His	Xaa
		355					360					365			
Arg	Met	Ala	Val	Gly	Gly	Gln	Gly	Gly	Arg	Val	Gly	Trp	Arg	Ala	Gly
	370					375					380				
Trp	Ala	Ala	Gly	His	Leu	Ala	Pro	Cys	Arg	Ala	Glu	Leu	Ser	Gln	Ala
385					390				395					400	
Gln	Arg	Ile													

<210> 621
 <211> 403
 <212> PRT
 <213> Homo sapiens

<400> 621

Met	Ala	Thr	Ala	Glu	Arg	Arg	Ala	Leu	Gly	Ile	Gly	Phe	Gln	Trp	Leu
1				5					10					15	
Ser	Leu	Ala	Thr	Leu	Val	Leu	Ile	Cys	Ala	Gly	Gln	Gly	Gly	Arg	Arg
			20					25					30		
Glu	Asp	Gly	Gly	Pro	Ala	Cys	Tyr	Gly	Gly	Phe	Asp	Leu	Tyr	Phe	Ile
		35					40					45			
Leu	Asp	Lys	Ser	Gly	Ser	Val	Leu	His	His	Trp	Asn	Glu	Ile	Tyr	Tyr
	50					55					60				
Phe	Val	Glu	Gln	Leu	Ala	His	Lys	Phe	Ile	Ser	Pro	Gln	Leu	Arg	Met
65					70					75				80	
Ser	Phe	Ile	Val	Phe	Ser	Thr	Arg	Gly	Thr	Thr	Leu	Met	Lys	Leu	Thr
			85						90					95	
Glu	Asp	Arg	Glu	Gln	Ile	Arg	Gln	Gly	Leu	Glu	Glu	Leu	Gln	Lys	Val
			100					105					110		
Leu	Pro	Gly	Gly	Asp	Thr	Tyr	Met	His	Glu	Gly	Phe	Glu	Arg	Ala	Ser
		115					120					125			
Glu	Gln	Ile	Tyr	Tyr	Glu	Asn	Arg	Gln	Gly	Tyr	Arg	Thr	Ala	Ser	Val
	130					135					140				
Ile	Ile	Ala	Leu	Thr	Asp	Gly	Glu	Leu	His	Glu	Asp	Leu	Phe	Phe	Tyr
145					150					155					160

Ser Glu Arg Glu Ala Asn Arg Ser Arg Asp Leu Gly Ala Ile Val Tyr
 165 170 175
 Cys Val Gly Val Lys Asp Phe Asn Glu Thr Gln Leu Ala Arg Ile Ala
 180 185 190
 Asp Ser Lys Asp His Val Phe Pro Val Asn Asp Gly Phe Gln Ala Leu
 195 200 205
 Gln Gly Ile Ile His Ser Ile Leu Lys Lys Ser Cys Ile Glu Ile Leu
 210 215 220
 Ala Ala Glu Pro Ser Thr Ile Cys Ala Gly Glu Ser Phe Gln Val Val
 225 230 235 240
 Val Arg Gly Asn Gly Phe Arg His Ala Arg Asn Val Asp Arg Val Leu
 245 250 255
 Cys Ser Phe Lys Ile Asn Asp Ser Val Thr Leu Asn Glu Lys Pro Phe
 260 265 270
 Ser Val Glu Asp Thr Tyr Leu Leu Cys Pro Ala Pro Ile Leu Lys Glu
 275 280 285
 Val Gly Met Lys Ala Ala Leu Gln Val Ser Met Asn Asp Gly Leu Ser
 290 295 300
 Phe Ile Ser Ser Ser Val Ile Ile Thr Thr Thr His Cys Ser Asp Gly
 305 310 315 320
 Ser Ile Leu Ala Ile Ala Leu Leu Ile Leu Phe Leu Leu Leu Ala Leu
 325 330 335
 Ala Leu Leu Trp Trp Phe Trp Pro Leu Cys Cys Thr Val Ile Ile Lys
 340 345 350
 Glu Val Pro Pro Pro Pro Ala Glu Glu Ser Glu Val Ser Asp His Ser
 355 360 365
 Arg Met Ala Val Gly Gly Gln Gly Gly Arg Val Gly Trp Arg Ala Gly
 370 375 380
 Trp Ala Ala Gly His Leu Ala Pro Cys Arg Ala Glu Leu Ser Gln Ala
 385 390 395 400
 Gln Arg Ile

<210> 622
 <211> 156
 <212> PRT
 <213> Homo sapiens
 <220>

<221> SITE
 <222> (102)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 622
 Val Val Lys Ile Thr His Cys Pro Thr Leu Leu Thr Arg Asp Gly Asp
 1 5 10 15
 Arg Ile Arg Ser Asn Gly Lys Phe Gly Gly Leu Gln Asn Lys Ala Pro
 20 25 30
 Pro Met Asp Lys Leu Arg Gly Met Val Phe Gly Ala Pro Val Pro Lys
 35 40 45
 Gln Cys Leu Ile Leu Gly Glu Gln Ile Asp Leu Leu Gln Gln Tyr Arg
 50 55 60
 Ser Ala Val Cys Lys Leu Asp Ser Val Asn Lys Asp Leu Asn Ser Gln
 65 70 75 80
 Leu Glu Tyr Leu Arg Thr Pro Asp Met Arg Lys Lys Lys Gln Glu Leu
 85 90 95
 Asp Glu His Glu Lys Xaa Leu Lys Leu Ile Glu Glu Lys Leu Gly Met
 100 105 110
 Thr Pro Ile Arg Lys Cys Asn Asp Ser Leu Arg His Ser Pro Lys Val
 115 120 125
 Glu Thr Thr Asp Cys Pro Val Pro Pro Lys Arg Met Arg Arg Glu Ala
 130 135 140
 Thr Arg Gln Asn Arg Ile Ile Thr Lys Thr Asp Val
 145 150 155

<210> 623
 <211> 175
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (91)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (173)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (174)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (175)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 623

Val Phe Gly Met Leu Leu Gly Asp Thr Ile Ile Leu Asp Asn Leu Asp
1 5 10 15

Ala Ala Asn His Tyr Arg Lys Glu Val Val Lys Ile Thr His Cys Pro
20 25 30

Thr Leu Leu Thr Arg Asp Gly Asp Arg Ile Arg Ser Asn Gly Lys Phe
35 40 45

Gly Gly Leu Gln Asn Lys Ala Pro Pro Met Asp Lys Leu Arg Gly Met
50 55 60

Val Phe Gly Ala Pro Val Pro Lys Gln Cys Leu Ile Leu Gly Glu Gln
65 70 75 80

Ile Asp Leu Leu Gln Gln Tyr Arg Ser Ala Xaa Cys Lys Leu Asp Ser
85 90 95

Val Asn Lys Asp Leu Asn Ser Gln Leu Glu Tyr Leu Arg Thr Pro Asp
100 105 110

Met Arg Lys Lys Lys Gln Glu Leu Asp Glu His Glu Lys Asn Leu Lys
115 120 125

Leu Ile Glu Glu Lys Leu Gly Met Thr Pro Ile Arg Lys Cys Asn Asp
130 135 140

Ser Leu Arg His Ser Pro Lys Val Glu Thr Thr Asp Cys Pro Val Pro
145 150 155 160

Pro Lys Arg Met Arg Arg Glu Ala Gly Asp Lys Arg Xaa Xaa Xaa
165 170 175

<210> 624

<211> 24

<212> PRT

<213> Homo sapiens

<400> 624

Met Trp His Leu Trp Arg Arg Leu Leu Ser Cys Phe Pro Val Ala Met
1 5 10 15

Leu Gln Asp Tyr Lys Tyr Ser Val
20

<210> 625

<211> 20

<212> PRT

<213> Homo sapiens

<400> 625

Ser Cys Leu Pro Val Gly Thr Asp Pro Gln Gln Met Gln Lys His Leu
1 5 10 15

Val Val Ile Lys
20

<210> 626

<211> 24

<212> PRT

<213> Homo sapiens

<400> 626

Met Trp His Leu Trp Arg Arg Leu Leu Ser Cys Phe Pro Val Ala Met
1 5 10 15

Leu Gln Asp Tyr Lys Tyr Ser Val
20

<210> 627

<211> 439

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (358)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 627

Met Val Pro Ser Ser Pro Arg Ala Leu Phe Leu Leu Leu Leu Ile Leu
1 5 10 15

Ala Cys Pro Glu Pro Arg Ala Ser Gln Asn Cys Leu Ser Lys Gln Gln
20 25 30

Leu Leu Ser Ala Ile Arg Gln Leu Gln Gln Leu Leu Lys Gly Gln Glu
35 40 45

Thr Arg Phe Ala Glu Gly Ile Arg His Met Lys Ser Arg Leu Ala Ala
50 55 60

Leu Gln Asn Ser Val Gly Arg Val Gly Pro Asp Ala Leu Pro Val Ser
65 70 75 80

Cys Pro Ala Leu Asn Thr Pro Ala Asp Gly Arg Lys Phe Gly Ser Lys
85 90 95

Tyr Leu Val Asp His Glu Val His Phe Thr Cys Asn Pro Gly Phe Arg
100 105 110

Leu Val Gly Pro Ser Ser Val Val Cys Leu Pro Asn Gly Thr Trp Thr
 115 120 125
 Gly Glu Gln Pro His Cys Arg Gly Ile Ser Glu Cys Ser Ser Gln Pro
 130 135 140
 Cys Gln Asn Gly Gly Thr Cys Val Glu Gly Val Asn Gln Tyr Arg Cys
 145 150 155 160
 Ile Cys Pro Pro Gly Arg Thr Gly Asn Arg Cys Gln His Gln Ala Gln
 165 170 175
 Thr Ala Ala Pro Glu Gly Ser Val Ala Gly Asp Ser Ala Phe Ser Arg
 180 185 190
 Ala Pro Arg Cys Ala Gln Val Glu Arg Ala Gln His Cys Ser Cys Glu
 195 200 205
 Ala Gly Phe His Leu Ser Gly Ala Ala Gly Asp Ser Val Cys Gln Asp
 210 215 220
 Val Asn Glu Cys Glu Leu Tyr Gly Gln Glu Gly Arg Pro Arg Leu Cys
 225 230 235 240
 Met His Ala Cys Val Asn Thr Pro Gly Ser Tyr Arg Cys Thr Cys Pro
 245 250 255
 Gly Gly Tyr Arg Thr Leu Ala Asp Gly Lys Ser Cys Glu Asp Val Asp
 260 265 270
 Glu Cys Val Gly Leu Gln Pro Val Cys Pro Gln Gly Thr Thr Cys Ile
 275 280 285
 Asn Thr Gly Gly Ser Phe Gln Cys Val Ser Pro Glu Cys Pro Glu Gly
 290 295 300
 Ser Gly Asn Val Ser Tyr Val Lys Thr Ser Pro Phe Gln Cys Glu Arg
 305 310 315 320
 Asn Pro Cys Pro Met Asp Ser Arg Pro Cys Arg His Leu Pro Lys Thr
 325 330 335
 Ile Ser Phe His Tyr Leu Ser Leu Pro Ser Asn Leu Lys Thr Pro Ile
 340 345 350
 Thr Leu Phe Arg Met Xaa Thr Ala Ser Ala Pro Gly Arg Ala Gly Pro
 355 360 365
 Asn Ser Leu Arg Phe Gly Ile Val Gly Gly Asn Ser Arg Gly His Phe
 370 375 380
 Val Met Gln Arg Ser Asp Arg Gln Thr Gly Asp Leu Ile Leu Val Gln
 385 390 395 400
 Asn Leu Glu Gly Pro Gln Thr Leu Glu Val Asp Val Asp Met Ser Glu
 405 410 415

Tyr Leu Asp Arg Ser Phe Gln Ala Asn His Val Ser Lys Val Thr Ile
420 425 430

Phe Val Ser Pro Tyr Asp Phe
435

<210> 628

<211> 439

<212> PRT

<213> Homo sapiens

<400> 628

Met Val Pro Ser Ser Pro Arg Ala Leu Phe Leu Leu Leu Leu Ile Leu
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Ala Cys Pro Glu Pro Arg Ala Ser Gln Asn Cys Leu Ser Lys Gln Gln
20 25 30

Leu Leu Ser Ala Ile Arg Gln Leu Gln Gln Leu Leu Lys Gly Gln Glu
35 40 45

Thr Arg Phe Ala Glu Gly Ile Arg His Met Lys Ser Arg Leu Ala Ala
50 55 60

Leu Gln Asn Ser Val Gly Arg Val Gly Pro Asp Ala Leu Pro Val Ser
65 70 75 80

Cys Pro Ala Leu Asn Thr Pro Ala Asp Gly Arg Lys Phe Gly Ser Lys
85 90 95

Tyr Leu Val Asp His Glu Val His Phe Thr Cys Asn Pro Gly Phe Arg
100 105 110

Leu Val Gly Pro Ser Ser Val Val Cys Leu Pro Asn Gly Thr Trp Thr
115 120 125

Gly Glu Gln Pro His Cys Arg Gly Ile Ser Glu Cys Ser Ser Gln Pro
130 135 140

Cys Gln Asn Gly Gly Thr Cys Val Glu Gly Val Asn Gln Tyr Arg Cys
145 150 155 160

Ile Cys Pro Pro Gly Arg Thr Gly Asn Arg Cys Gln His Gln Ala Gln
165 170 175

Thr Ala Ala Pro Glu Gly Ser Val Ala Gly Asp Ser Ala Phe Ser Arg
180 185 190

Ala Pro Arg Cys Ala Gln Val Glu Arg Ala Gln His Cys Ser Cys Glu
195 200 205

Ala Gly Phe His Leu Ser Gly Ala Ala Gly Asp Ser Val Cys Gln Asp
210 215 220

